S6270-1

Ohio Labor Market Information

Labor Market Review

August 1990

Summary. The seasonally adjusted unemployment rate in Ohio dropped from 5.7 percent in July to 5.0 percent in August 1990. The U.S. rate rose slightly, from 5.5 percent to 5.6 percent over the month. Ohio's total employment was up 70,000 from July to 5,174,000 in August. There were 272,000 jobless Ohioans in August, down 35,000 from July. Nonagricultural wage and salary employment (seasonally adjusted), at 4,941,000 in August, increased 12,000 from July. Service-producing industries, up 9,000 jobs, contributed most to the improvement. (See page 3.)

Goods-Producing Industries. Employment in goods-producing industries advanced 3,000 from July to 1,338,000 in August. Gains in transportation equipment resulting from recalls from layoffs for model changeovers raised durable-goods manufacturing employment 2,000 to 747,000. Nondurable-goods employment was virtually unchanged at 373,000. Construction employment was up 1,000 to 200,000 due to growth in special trade contractors. Employment in mining remained at the July level of 18,000.

Service-Producing Industries. There were 3,603,000 people employed in service-producing industries in August, up 9,000 from July. Most of the increase occurred in services, which rose 6,000. Retail trade added 2,000 jobs, while wholesale trade and finance, insurance, and real estate each went up 1,000. Little change took place in transportation and public utilities. Employment in government declined 1,000 over the month.

Over the Year. Ohio's unemployment rate increased from 4.9 percent in August 1989 to 5.0 percent in August 1990. The national rate rose from 5.3 percent to 5.6 percent over the year. Total employment in Ohio was up 12,000 from August 1989, while total unemployment was 7,000 higher. Since August 1989, nonfarm payroll employment advanced 112,000. The largest gains were in services (+43,000), retail trade (+33,000), and government (+17,000). Wholesale trade and construction also had notable increases. Manufacturing employment dropped 4,000 over the year. The decline occurred in durable goods, as losses in industrial machinery and equipment, primary metal industries, and electronic and other electric equipment were partially offset by gains in printing and publishing.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of $540.59 per week in August, up $8.45 from July. Their average workweek increased 0.4 hours to 42.6 hours. Most industries had higher earnings due to more overtime in August. The most significant were metal forgings and stampings, metalworking machinery, electric lighting and wiring, preserved fruits and vegetables, and iron and steel foundries.

Benefits and Costs. There were 53,806 initial claims filed under the Ohio Unemployment Compensation Law in August, down 19.3 percent from July but up 6.0 percent from August

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

1989. Total benefits paid rose 22.9 percent to $55.1 million. The average weekly benefit check of $170.08 was $3.83 higher than in July. The average weekly number of benefit recipients, at 68,993, was up 3.1 percent. At the end of August, there were 207,219 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services assisted 35,485 new job applicants in August, up 4.1 percent from July, but down 18.8 percent from August 1989. The Employment Services Division made 25,126 job referrals in August, down 0.7 percent from July. Total placements declined 9.5 percent over the month to 6,645.

Collection Method Alternatives For the *Report on Employment, Payroll, and Hours*

Service-sector employers of one hundred or more workers will soon be given the opportunity to report their monthly data by telephone at a convenient, prearranged time. Interviewers will telephone employers once each month to collect data, doing away with the familiar but less efficient mailed shuttle schedule.

If you are a large employer in services, information on this pilot project will be reaching your mailbox in the near future.

In This Issue

Summary 1
Seasonally Adjusted Series
  Current Data 3
  Historical Data 5
Civilian Labor Force and Nonagricultural Wage and Salary Employment Graphs 6
Nonseasonally Adjusted Series
  Historical Data 7
  Current Data 10

Akron PMSA Data 14
Canton MSA Data 18
Cincinnati PMSA Data 22
Cleveland PMSA Data 26
Columbus MSA Data 30
Dayton–Springfield MSA Data 34
Toledo MSA Data 38
Youngstown–Warren MSA Data 42

Minor Metropolitan Areas 46
  Hamilton–Middletown PMSA Data 47
  Lima MSA Data 48
  Lorain–Elyria PMSA Data 49
  Mansfield MSA Data 50
  Steubenville–Weirton MSA Data 51

Technical Notes 52
Employment Service Activities and Unemployment Insurance Activities 53

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Aug. 1990	Jul. 1990	Aug. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,446	5,411	5,427	35	19	.6	.4
Employment	5,174	5,104	5,162	70	12	1.4	.2
Unemployment	272	307	265	-35	7	-11.4	2.6
Unemployment Rate	5.0	5.7	4.9				
Employer Survey Data[e]							
Total	4,941	4,928	4,828	12	112	.2	2.3
Goods–Producing Industries	1,338	1,334	1,335	3	3	.3	.2
Mining	18	18	18	0	0	.0	.0
Coal Mining	7	7	8	0	0	-.1	-2.2
Oil and Gas Extraction	6	6	6	0	0	-.4	-.7
Construction	200	198	193	1	7	.6	3.7
General Building Contractors	47	47	46	0	1	.9	2.3
Heavy Construction, Except Building	23	23	23	0	0	.4	-1.5
Special Trade Contractors	130	129	123	1	6	.6	5.2
Manufacturing	1,120	1,118	1,124	2	-4	.2	-.4
Durable Goods	747	745	755	2	-8	.3	-1.0
Lumber and Wood Products	23	23	22	0	1	-1.2	2.3
Furniture and Fixtures	15	15	15	0	0	.2	-.6
Stone, Clay, and Glass Products	45	46	45	0	0	-.7	-.3
Primary Metal Industries	101	100	103	1	-2	.6	-1.9
Fabricated Metal Products	136	136	136	0	0	-.1	.2
Industrial Machinery and Equipment	166	167	168	-1	-3	-.5	-1.6
Electronic and Other Electric Equipment	77	78	79	0	-2	-.4	-2.6
Transportation Equipment	143	139	143	4	-1	2.7	-.6
Instruments and Related Products	26	26	27	0	-1	-.4	-3.0
Nondurable Goods	373	373	370	0	4	.0	1.0
Food and Kindred Products	62	63	62	-1	0	-2.0	.3
Apparel and Other Textile Products	15	15	15	0	0	-.9	-1.1
Paper and Allied Products	38	38	38	0	0	.4	.7
Printing and Publishing	76	76	74	0	2	.1	2.9
Chemicals and Allied Products	67	67	66	0	1	.2	1.9
Rubber and Misc. Plastics Products	97	96	97	1	0	1.1	.3
Service–Producing Industries	3,603	3,594	3,494	9	109	.2	3.1
Transportation and Public Utilities	218	218	216	0	3	.0	1.2
Transportation	129	129	125	0	4	.3	3.2
Communications, Electric, Gas Services	89	89	90	0	-1	-.4	-1.6

See footnotes on page 4.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Aug. 1990	Jul. 1990	Aug. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	274	273	265	1	9	.3	3.4
Wholesale Trade-Durable Goods	173	173	168	0	5	.2	3.2
Wholesale Trade-Nondurable Goods	101	100	97	0	4	.4	3.7
Retail Trade	939	937	906	2	33	.2	3.6
Building Materials and Garden Supplies	36	36	35	0	1	.1	4.1
General Merchandise Stores	129	129	126	0	2	-.3	1.8
Food Stores	144	144	140	0	4	-.1	2.7
Automotive Dealers and Service Stations	103	102	99	0	4	.3	3.5
Apparel and Accessory Stores	53	53	49	0	4	.6	8.6
Furniture and Homefurnishings Stores	34	34	32	0	2	.7	6.6
Eating and Drinking Places	316	315	309	1	7	.2	2.3
Miscellaneous Retail	124	124	116	1	8	.4	7.2
Finance, Insurance, and Real Estate	258	257	253	1	4	.3	1.8
Finance	121	121	120	0	1	.2	.8
Depository Institutions	91	91	91	0	0	.2	.0
Insurance	93	93	91	0	2	.1	2.0
Real Estate	44	43	42	0	2	.6	4.0
Services	1,189	1,182	1,145	6	43	.5	3.8
Hotels and Other Lodging Places	39	39	38	0	1	.3	1.8
Personal Services	55	55	54	0	1	.1	2.5
Business Services	219	217	205	2	14	.8	6.8
Amusements, Including Motion Pictures	56	57	59	0	-2	-.5	-3.8
Health Services	399	397	386	2	13	.5	3.3
Legal Services	30	30	29	0	2	.3	6.3
Educational Services	62	61	60	1	2	1.9	2.9
Social Services	76	76	73	0	3	.4	4.3
Membership Organizations	81	81	79	0	3	.5	3.4
Engineering and Management Services	88	88	85	1	3	.7	3.7
Government	725	726	708	-1	17	-.1	2.4
Federal Government	99	99	98	0	2	.1	1.7
State Government	163	162	159	1	4	.5	2.5
State Government Education	85	85	83	1	3	.8	3.1
Local Government	463	465	452	-2	11	-.3	2.4
Local Government Education	270	270	264	0	6	.2	2.4

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of approximately 12,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(In Thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
					1988
5,311	5,007	304	5.7	5.6	August
5,283	4,966	317	6.0	5.4	September
5,333	5,038	295	5.5	5.3	October
5,362	5,063	299	5.6	5.3	November
5,350	5,060	290	5.4	5.3	December
					1989
5,399	5,078	321	5.9	5.4	January
5,386	5,109	277	5.1	5.2	February
5,403	5,116	287	5.3	5.0	March
5,374	5,090	284	5.3	5.3	April
5,409	5,116	293	5.4	5.2	May
5,445	5,142	303	5.6	5.3	June
5,420	5,124	296	5.5	5.3	July
5,427	5,162	265	4.9	5.3	August
5,441	5,153	288	5.3	5.3	September
5,462	5,135	327	6.0	5.3	October
5,415	5,081	334	6.2	5.3	November
5,442	5,110	332	6.1	5.3	December
					1990
5,426	5,060	366	6.7	5.3	January
5,372	5,061	311	5.8	5.3	February
5,402	5,107	295	5.5	5.2	March
5,417	5,098	319	5.9	5.4	April
5,428	5,107	321	5.9	5.3	May
5,419	5,135	284	5.2	5.2	June
5,411	5,104	307	5.7	5.5	July
5,446	5,174	272	5.0	5.6	August

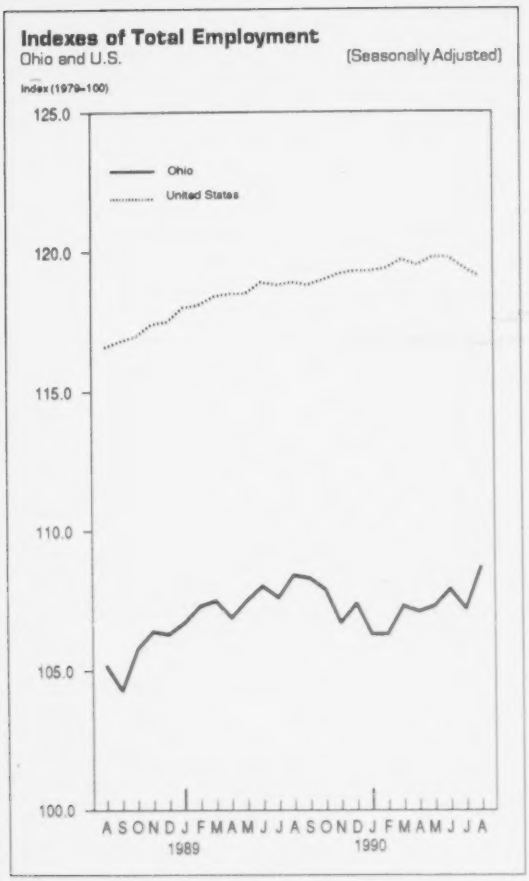
Ohio Nonagricultural Wage and Salary Employment
(In Thousands)

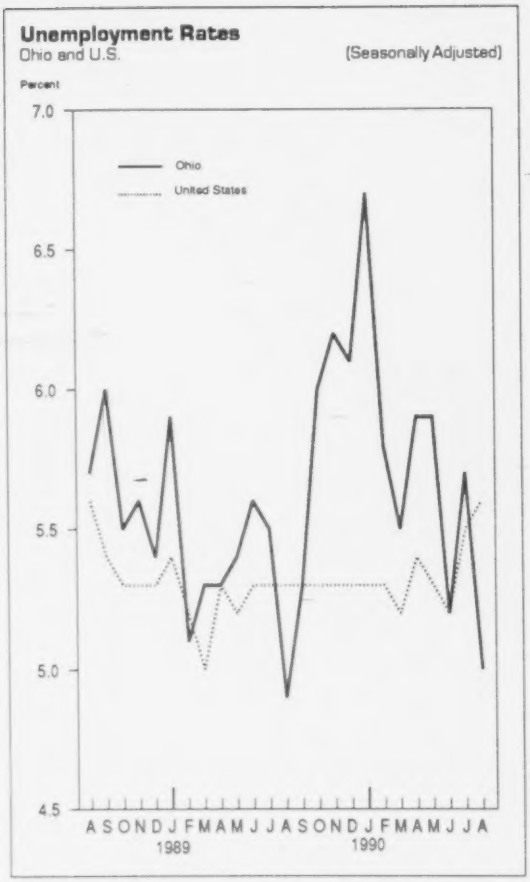
Nonagricultural Employment					
	Goods-Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
					1988
4,713	1,317	19	186	1,112	August
4,727	1,320	19	186	1,115	September
4,732	1,322	18	184	1,119	October
4,745	1,325	18	186	1,121	November
4,761	1,329	18	188	1,123	December
					1989
4,775	1,338	18	191	1,128	January
4,796	1,340	18	194	1,128	February
4,817	1,342	18	194	1,130	March
4,791	1,336	18	193	1,125	April
4,795	1,332	18	190	1,125	May
4,809	1,335	18	192	1,126	June
4,809	1,325	15	192	1,118	July
4,828	1,335	18	193	1,124	August
4,835	1,334	18	193	1,122	September
4,834	1,324	18	194	1,112	October
4,850	1,332	18	196	1,119	November
4,862	1,334	18	197	1,119	December
					1990
4,848	1,312	18	198	1,097	January
4,892	1,341	18	199	1,124	February
4,905	1,340	18	200	1,122	March
4,904	1,340	18	199	1,122	April
4,917	1,337	18	198	1,121	May
4,928	1,341	18	199	1,124	June
4,928	1,334	18	198	1,118	July
4,941	1,338	18	200	1,120	August

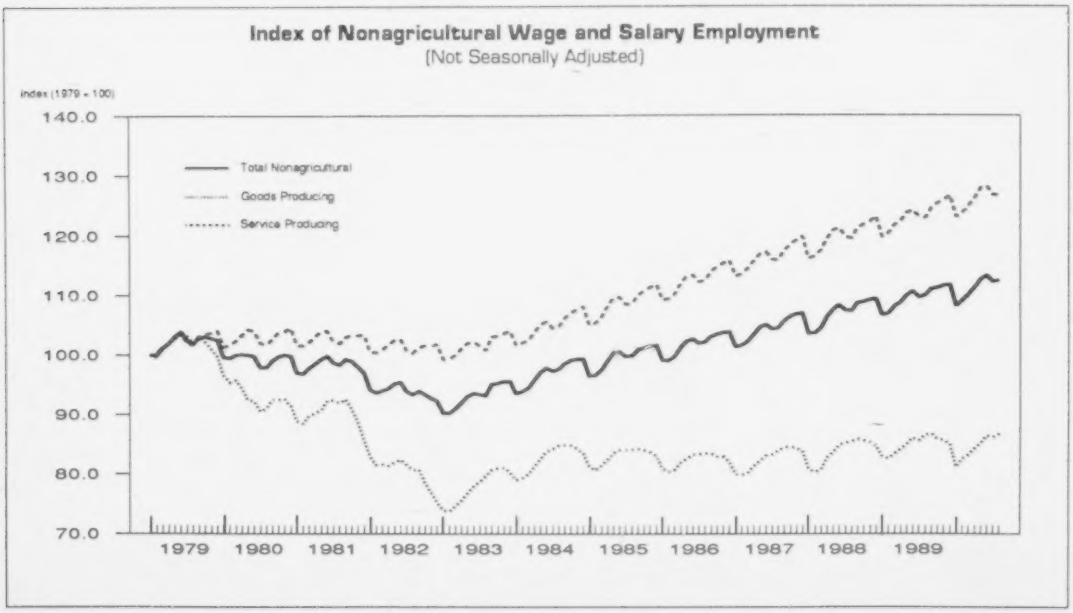
Service-Producing Employment
(In Thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
		1988				1988		
3,396	214	August	258	881	249	August	1,105	689
3,407	213	September	258	881	249	September	1,109	696
3,410	212	October	259	879	249	October	1,112	698
3,419	213	November	260	881	249	November	1,116	700
3,432	214	December	260	886	250	December	1,123	700
		1989				1989		
3,437	215	January	261	889	250	January	1,124	699
3,456	215	February	261	897	251	February	1,130	701
3,475	215	March	262	905	252	March	1,137	703
3,455	215	April	261	896	251	April	1,131	702
3,463	215	May	262	896	251	May	1,133	704
3,474	215	June	263	900	252	June	1,138	704
3,484	215	July	264	904	253	July	1,141	707
3,494	216	August	265	906	253	August	1,145	708
3,501	216	September	266	909	254	September	1,148	708
3,509	217	October	267	913	254	October	1,148	711
3,518	217	November	267	916	255	November	1,152	710
3,527	218	December	268	919	255	December	1,156	711
		1990				1990		
3,535	219	January	269	926	256	January	1,154	711
3,551	219	February	269	931	257	February	1,159	717
3,565	220	March	270	934	257	March	1,166	718
3,564	218	April	270	932	257	April	1,168	719
3,580	218	May	271	933	257	May	1,172	728
3,587	219	June	272	937	257	June	1,177	725
3,594	218	July	273	937	257	July	1,182	726
3,603	218	August	274	939	258	August	1,189	725

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.


Indexes of Total Employment
Ohio and U.S.
(Seasonally Adjusted)
Index (1979=100)
125.0
120.0
115.0
110.0
105.0
100.0
Ohio
United States
A S O N D J F M A M J J A S O N D J F M A M J J A
1989
1990


Unemployment Rates
Ohio and U.S.
(Seasonally Adjusted)
Percent
7.0
6.5
6.0
5.5
5.0
4.5
Ohio
United States
A S O N D J F M A M J J A S O N D J F M A M J J A
1989
1990


Index of Nonagricultural Wage and Salary Employment
(Not Seasonally Adjusted)
Index (1979 = 100)
140.0
130.0
120.0
110.0
100.0
90.0
80.0
70.0
Total Nonagricultural
Goods Producing
Service Producing
1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,253	4,886	367	7.0	6.2	1987
5,322	5,002	320	6.0	5.5	1988
5,419	5,118	300	5.5	5.3	1989
					1989
5,481	5,223	259	4.7	5.1	August
5,425	5,158	267	4.9	5.1	September
5,477	5,169	308	5.6	5.0	October
5,434	5,113	321	5.9	5.2	November
5,421	5,094	328	6.0	5.1	December
					1990
5,391	4,979	412	7.6	5.9	January
5,344	4,998	346	6.5	5.8	February
5,353	5,035	318	5.9	5.4	March
5,373	5,071	302	5.6	5.2	April
5,409	5,104	305	5.6	5.1	May
5,481	5,179	302	5.5	5.3	June
5,472	5,194	278	5.1	5.5	July
5,504	5,245	258	4.7	5.4	August

Ohio Nonagricultural Wage and Salary Employment
(in thousands)

Nonagricultural Employment					
	Goods-Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
4,484.8	1,596.8	31.6	182.9	1,382.3	1979
4,367.4	1,462.5	30.7	167.4	1,264.3	1980
4,317.7	1,417.0	30.7	153.7	1,232.6	1981
4,124.3	1,264.8	30.3	134.6	1,099.9	1982
4,092.5	1,223.4	26.6	130.8	1,066.0	1983
4,260.2	1,299.7	27.8	144.8	1,127.0	1984
4,372.9	1,304.3	26.1	154.0	1,124.2	1985
4,471.4	1,293.1	22.6	160.7	1,109.8	1986
4,582.6	1,296.2	20.9	176.4	1,098.9	1987
4,700.6	1,315.1	18.9	185.6	1,110.6	1988
4,817.2	1,333.9	17.8	193.1	1,123.0	1989
					1989
4,830.3	1,358.7	18.5	212.3	1,128.0	August
4,877.8	1,361.7	18.5	211.8	1,131.4	September
4,885.7	1,347.1	18.6	212.3	1,116.3	October
4,900.8	1,346.8	18.3	205.5	1,123.0	November
4,909.6	1,335.6	18.1	195.8	1,121.7	December
					1990
4,752.1	1,275.5	17.6	170.6	1,087.3	January
4,790.2	1,297.3	17.3	166.2	1,113.8	February
4,834.5	1,307.0	17.5	174.7	1,114.8	March
4,889.3	1,324.4	17.7	188.3	1,118.4	April
4,949.2	1,338.0	18.0	199.6	1,120.5	May
4,977.7	1,357.5	18.4	209.5	1,129.7	June
4,934.0	1,353.1	18.5	216.6	1,118.1	July
4,941.1	1,362.2	18.4	220.0	1,123.8	August

Service-Producing Employment
(in thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
2,888.0	232.1	1979	234.0	741.2	200.6	1979	806.2	674.0
2,904.9	223.1	1980	231.7	725.5	203.8	1980	830.9	689.9
2,900.7	217.2	1981	233.6	716.5	205.8	1981	851.6	676.0
2,859.5	206.8	1982	227.1	702.3	206.4	1982	857.3	659.6
2,869.2	198.5	1983	223.6	709.9	207.8	1983	873.3	656.1
2,960.5	203.9	1984	237.9	746.8	211.5	1984	905.2	655.2
3,068.5	202.7	1985	245.1	786.5	219.3	1985	949.5	665.2
3,178.4	203.4	1986	245.7	817.1	232.3	1986	1,001.0	678.9
3,286.4	207.8	1987	249.4	846.9	243.8	1987	1,051.2	687.3
3,385.5	212.1	1988	256.4	877.4	249.0	1988	1,096.8	693.8
3,483.3	215.9	1989	264.0	904.2	252.6	1989	1,140.8	705.7
		1989				1989		
3,471.5	218.5	August	265.7	915.4	256.1	August	1,160.0	655.8
3,516.0	219.0	September	266.0	916.8	254.9	September	1,165.8	693.6
3,538.6	219.4	October	268.0	919.7	254.1	October	1,156.2	721.2
3,554.0	219.4	November	268.5	933.3	254.3	November	1,152.0	726.5
3,574.0	220.4	December	269.6	949.1	254.7	December	1,150.5	729.7
		1990				1990		
3,476.5	213.7	January	266.4	905.9	253.6	January	1,122.6	714.2
3,492.9	213.7	February	266.2	897.5	253.8	February	1,133.2	728.6
3,527.5	215.0	March	267.7	906.6	255.0	March	1,147.7	735.5
3,564.8	216.5	April	269.5	922.0	255.5	April	1,167.6	733.7
3,611.1	218.6	May	271.5	936.7	256.8	May	1,180.4	747.2
3,620.2	220.7	June	274.0	945.9	259.3	June	1,196.9	723.4
3,580.9	220.9	July	275.0	943.7	260.4	July	1,199.6	681.2
3,578.9	221.2	August	274.8	948.6	260.7	August	1,202.5	671.1

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

Manufacturing Employment				Production Workers in Manufacturing		
Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)		Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1,382.3	978.1	404.2	1979	979.0	$318.5	40.6
1,264.3	880.3	384.1	1980	867.8	301.9	35.2
1,232.6	858.2	374.4	1981	847.7	330.4	34.7
1,099.9	750.5	349.4	1982	735.7	297.1	29.5
1,066.0	721.9	344.1	1983	721.6	315.5	29.9
1,127.0	771.7	355.4	1984	781.5	362.3	33.1
1,124.2	767.0	357.3	1985	773.4	369.7	32.5
1,109.8	751.0	358.8	1986	758.5	369.1	31.9
1,098.9	738.9	360.0	1987	751.4	375.5	32.0
1,110.6	747.3	363.4	1988	762.3	393.0	32.8
1,123.0	753.2	369.8	1989	770.6	403.4	32.9
			1989			
1,128.0	754.9	373.1	August	774.0	398.2	32.6
1,131.4	755.5	375.9	September	776.2	408.6	33.1
1,116.3	742.1	374.2	October	765.6	398.9	32.5
1,123.0	749.5	373.5	November	770.4	405.9	32.9
1,121.7	750.0	371.7	December	769.6	405.9	32.8
			1990			
1,087.3	719.3	368.0	January	735.8	376.7	30.9
1,113.8	745.8	368.0	February	761.0	394.7	31.9
1,114.8	746.1	368.7	March	761.9	403.1	32.2
1,118.4	748.5	369.9	April	765.2	395.7	31.8
1,120.5	749.3	371.2	May	766.2	415.5	32.8
1,129.7	754.2	375.5	June	772.7	423.3	33.2
1,118.1	743.4	374.6	July	759.6	404.2	32.1
1,123.8	746.8	377.0	August	766.0	414.1	32.6

Production Worker Average Weekly Earnings				Production Worker Average Weekly Hours				Production Worker Average Hourly Earnings		
Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods
$325.36	$335.30	$297.78	1979	41.5	41.6	41.1	1979	$7.84	$8.06	$7.25
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86
515.57	538.16	466.31	1988	43.0	43.4	42.2	1988	11.99	12.40	11.05
523.50	542.23	478.19	1989	42.7	43.0	41.8	1989	12.26	12.61	11.44
			1989				1989			
514.46	530.02	478.40	August	42.1	42.3	41.6	August	12.22	12.53	11.50
526.49	545.67	484.15	September	42.7	43.0	42.1	September	12.33	12.69	11.50
521.10	539.30	482.69	October	42.4	42.7	41.9	October	12.29	12.63	11.52
526.92	545.24	484.68	November	42.7	43.0	42.0	November	12.34	12.68	11.54
527.39	546.12	485.62	December	42.6	42.9	41.9	December	12.38	12.73	11.59
			1990				1990			
511.98	524.15	485.72	January	42.0	42.1	41.8	January	12.19	12.45	11.62
518.72	536.36	478.67	February	41.9	42.2	41.3	February	12.38	12.71	11.59
529.17	548.26	483.89	March	42.3	42.6	41.5	March	12.51	12.87	11.66
517.09	534.18	478.06	April	41.5	41.7	41.0	April	12.46	12.81	11.66
542.28	564.19	493.08	May	42.8	43.2	42.0	May	12.67	13.06	11.74
547.82	571.14	497.12	June	43.0	43.4	42.2	June	12.74	13.16	11.78
532.14	550.35	491.99	July	42.2	42.4	41.8	July	12.61	12.98	11.77
540.59	559.82	496.78	August	42.6	42.8	42.1	August	12.69	13.08	11.80

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

Employment
(thousands)

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment		Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
67.0	158.9	175.3	1979	232.1	106.8	165.3	1979	74.4	67.6	109.3
62.0	139.8	157.5	1980	219.2	96.5	138.6	1980	72.7	67.4	95.1
58.6	138.3	154.8	1981	211.8	92.3	136.4	1981	69.2	66.1	91.4
52.1	112.7	134.9	1982	183.4	84.7	121.1	1982	66.9	63.2	82.4
50.2	104.1	129.8	1983	160.1	81.7	131.6	1983	63.4	62.8	84.5
50.5	108.9	138.8	1984	173.1	85.4	144.4	1984	62.8	65.1	92.7
48.5	101.8	139.7	1985	171.7	83.2	150.6	1985	62.9	66.8	93.3
47.5	95.4	136.8	1986	163.9	82.0	153.2	1986	63.0	68.4	94.5
46.5	95.8	132.9	1987	160.3	79.9	148.8	1987	63.1	70.5	93.6
46.0	100.8	135.2	1988	163.9	80.0	142.8	1988	62.5	72.5	93.4
45.7	102.2	136.3	1989	167.6	79.5	141.8	1989	63.2	73.9	96.4
			1989				1989			
46.5	102.4	135.0	August	168.0	79.3	142.4	August	64.4	74.2	96.8
46.3	102.8	137.1	September	167.9	80.2	139.8	September	66.7	74.6	97.4
45.9	100.3	135.3	October	163.6	79.4	136.4	October	64.9	74.8	97.6
45.9	100.8	136.2	November	167.1	79.6	139.0	November	63.8	75.0	97.6
45.3	100.6	136.0	December	168.0	79.0	140.8	December	63.4	75.0	96.7
			1990				1990			
44.2	98.8	130.5	January	167.6	78.4	120.6	January	63.3	74.6	94.7
44.3	100.7	134.2	February	167.2	78.5	142.1	February	62.5	74.8	94.9
45.0	100.9	134.1	March	167.0	78.3	141.6	March	62.2	74.7	95.5
45.6	100.8	134.9	April	166.6	78.3	142.4	April	62.5	74.8	96.2
45.7	101.2	135.3	May	167.0	77.8	142.1	May	62.6	75.4	96.7
46.6	101.7	136.8	June	167.3	77.7	143.3	June	63.7	75.9	97.7
46.3	99.4	135.4	July	166.9	77.4	137.3	July	63.8	76.3	95.8
46.3	100.3	135.2	August	165.4	77.2	141.7	August	64.6	76.4	97.1

Average Weekly Earnings of Production Workers

$293.34	$395.43	$323.38	1979	$329.09	$289.27	$391.56	1979	$304.50	$302.62	$300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
470.37	626.44	513.17	1988	526.24	466.07	673.91	1988	446.04	445.22	446.95
478.67	619.61	508.09	1989	534.10	459.95	704.48	1989	458.39	457.81	446.05
			1989				1989			
480.22	613.02	490.28	August	515.95	457.73	682.78	August	468.42	448.14	444.56
476.43	628.97	523.13	September	528.04	458.97	720.50	September	458.05	468.00	451.78
490.05	610.42	507.78	October	528.90	460.37	711.67	October	457.03	467.63	440.15
488.91	616.07	512.68	November	534.69	462.31	720.72	November	467.58	478.67	440.35
471.10	618.02	502.80	December	538.46	462.44	717.05	December	473.18	482.26	433.54
			1990				1990			
473.59	605.12	489.82	January	520.15	459.26	670.64	January	476.57	470.00	442.21
476.86	601.51	505.44	February	532.16	464.80	683.12	February	454.40	471.22	442.90
484.79	618.62	512.36	March	535.62	457.97	718.39	March	458.27	472.42	446.13
494.79	636.41	493.61	April	509.60	437.80	691.32	April	445.61	458.25	434.42
495.79	657.34	531.48	May	547.67	456.65	742.29	May	469.83	465.71	460.82
498.10	672.04	533.68	June	548.97	458.59	758.62	June	476.40	467.68	467.99
493.06	644.36	506.75	July	539.71	456.84	722.67	July	475.57	469.66	458.55
497.81	651.73	524.16	August	550.31	470.18	716.13	August	489.34	472.03	459.38

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	4941.1	4934.0	4830.3	7.1	110.8
Goods-Producing Industries	1362.2	1353.1	1358.7	9.1	3.5
Mining	18.4	18.5	18.5	.0	.0
Coal Mining	7.5	7.5	7.7	.0	-.2
Oil and Gas Extraction	5.7	5.7	5.7	.0	.0
Construction	220.0	216.6	212.3	3.4	7.7
General Building Contractors	50.9	50.4	49.8	.5	1.1
Nonresidential Building Construction	24.9	24.7	25.2	.2	-.3
Heavy Construction, Except Building	27.4	26.8	27.8	.6	-.4
Highway and Street Construction	10.1	9.8	10.5	.3	-.4
Special Trade Contractors	141.7	139.4	134.7	2.3	7.0
Manufacturing	1123.8	1118.1	1128.0	5.7	-4.2
Durable Goods[f]	746.8	743.4	754.9	3.4	-8.1
Lumber and Wood Products	23.6	23.9	23.1	-.2	.5
Millwork, Plywood and Structural Members	10.6	10.8	10.4	-.2	.2
Furniture and Fixtures	15.4	15.3	15.5	.1	-.1
Stone, Clay, and Glass Products	46.3	46.3	46.5	.1	-.2
Primary Metal Industries	100.3	99.4	102.4	.9	-2.1
Blast Furnace and Basic Steel Products	46.9	46.7	47.5	.2	-.6
Iron and Steel Foundries	19.5	19.2	20.3	.3	-.8
Nonferrous Rolling and Drawing	16.2	15.9	16.5	.3	-.3
Nonferrous Foundries	10.6	10.5	10.8	.1	-.2
Fabricated Metal Products	135.2	135.4	135.0	-.2	.2
Fabricated Structural Metal Products	30.5	30.1	30.5	.4	.0
Metal Forgings and Stampings	38.6	38.9	38.1	-.3	.5
Industrial Machinery and Equipment	165.4	166.9	168.0	-1.5	-2.6
Construction and Related Machinery	14.2	14.4	14.2	-.2	.0
Metalworking Machinery	47.2	47.5	48.4	-.2	-1.1
Special Industry Machinery	16.9	17.1	17.2	-.3	-.4
General Industrial Machinery	26.2	26.1	26.1	.1	.0
Computer and Office Equipment	11.3	11.5	11.2	-.2	.1
Refrigeration and Service Machinery	14.7	15.5	16.3	-.7	-1.6
Electronic and Other Electric Equipment	77.2	77.4	79.3	-.2	-2.1
Electrical Industrial Apparatus	12.0	11.9	12.4	.1	-.4
Household Appliances	15.4	15.5	15.7	.0	-.3
Electric Lighting and Wiring Equipment	16.2	16.3	16.3	-.1	-.1
Electronic Components and Accessories	11.4	11.4	11.3	.0	.1
Transportation Equipment	141.7	137.3	142.4	4.4	-.7
Motor Vehicles and Equipment	95.9	91.5	97.0	4.4	-1.1
Aircraft and Parts	36.9	36.9	36.4	-.1	.4
Instruments and Related Products	26.0	25.9	26.8	.0	-.8
Measuring and Controlling Devices	15.9	15.9	16.4	.0	-.6
Nondurable Goods[g]	377.0	374.6	373.1	2.4	3.9
Food and Kindred Products	64.6	63.8	64.4	.8	.2
Dairy Products	10.8	10.8	10.4	.0	.4
Preserved Fruits and Vegetables	11.0	10.5	11.2	.6	-.2
Bakery Products	9.8	9.6	10.0	.2	-.2
Apparel and Other Textile Products	15.1	15.0	15.3	.1	-.2
Paper and Allied Products	38.0	37.8	37.8	.2	.3
Paperboard Containers and Boxes	14.0	13.8	13.7	.2	.3
Miscellaneous Converted Paper Products	12.2	12.4	12.1	-.1	.1
Printing and Publishing	76.4	76.3	74.2	.1	2.2
Newspapers	19.4	19.4	18.7	.0	.7
Commercial Printing	28.0	27.9	27.4	.1	.6
Chemicals and Allied Products	67.3	67.4	66.1	.0	1.2
Plastics Materials and Synthetics	10.0	10.1	9.9	.0	.1
Rubber and Miscellaneous Plastics Products	97.1	95.8	96.8	1.3	.3
Tires and Inner Tubes	16.0	16.0	15.6	-.1	.3
Miscellaneous Plastics Products	58.9	57.7	58.4	1.1	.5
Service-Producing Industries	3578.9	3580.9	3471.5	-2.0	107.3
Transportation and Public Utilities	221.2	220.9	218.5	.3	2.7
Transportation	131.2	130.6	127.0	.6	4.2
Railroad Transportation	12.3	12.3	13.0	.0	-.7
Trucking and Warehousing	78.6	78.3	76.5	.3	2.1
Transportation by Air	14.4	14.1	13.3	.2	1.0
Communications, Electric, Gas Services	90.0	90.3	91.5	-.3	-1.5
Communications	46.5	46.5	47.6	-.1	-1.2
Electric, Gas, and Sanitary Services	43.5	43.8	43.9	-.2	-.3

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Wholesale Trade	274.8	275.0	265.7	-.2	9.0
Wholesale Trade-Durable Goods	173.7	174.0	168.3	-.3	5.4
Motor Vehicles, Parts, and Supplies	23.1	23.1	22.9	.0	.1
Professional and Commercial Equipment	33.3	33.3	32.3	.0	1.0
Metals and Minerals, Except Petroleum	11.6	11.6	11.2	.0	.4
Electrical Goods	19.0	19.0	18.5	-.1	.5
Hardware, Plumbing and Heating Equipment	13.1	13.2	12.7	.0	.5
Machinery, Equipment, and Supplies	43.5	43.6	41.9	-.1	1.6
Wholesale Trade-Nondurable Goods	101.1	101.0	97.4	.1	3.6
Groceries and Related Products	33.5	33.4	31.9	.1	1.6
Retail Trade	948.6	943.7	915.4	4.9	33.2
Building Materials and Garden Supplies	37.2	37.7	35.7	-.5	1.5
Lumber and Other Building Materials	19.0	19.0	18.4	-.1	.6
General Merchandise Stores	125.9	125.2	123.6	.7	2.2
Department Stores	102.6	101.9	100.4	.7	2.2
Variety Stores	13.8	13.7	13.4	.1	.4
Food Stores	144.7	145.0	140.8	-.3	3.9
Grocery Stores	127.6	128.0	124.3	-.4	3.3
Automotive Dealers and Service Stations	104.4	104.0	100.8	.4	3.6
New and Used Car Dealers	45.7	45.6	44.3	.1	1.4
Gasoline Service Stations	36.6	36.4	34.5	.2	2.2
Apparel and Accessory Stores	52.9	51.5	48.7	1.4	4.2
Furniture and Homefurnishings Stores	33.7	33.4	31.6	.2	2.1
Eating and Drinking Places	327.0	325.1	319.6	2.0	7.5
Miscellaneous Retail	122.9	121.9	114.6	1.0	8.3
Drug Stores and Proprietary Stores	32.6	32.6	30.9	.0	1.7
Nonstore Retailers	23.5	23.2	21.4	.3	2.1
Finance, Insurance, and Real Estate	260.7	260.4	256.1	.3	4.6
Finance	122.1	121.9	121.1	.2	1.0
Depository Institutions	91.9	91.8	91.8	.1	.0
Commercial Banks	65.1	65.0	64.4	.1	.8
Insurance	93.1	93.1	91.3	.0	1.8
Insurance Carriers	71.0	71.0	70.0	.0	1.0
Life Insurance	25.8	25.8	25.8	.0	.0
Fire, Marine, and Casualty Insurance	32.3	32.2	30.8	.1	1.5
Real Estate	45.5	45.4	43.8	.1	1.8
Services	1202.5	1199.6	1160.0	2.9	42.5
Hotels and Other Lodging Places	41.4	41.2	40.7	.2	.7
Personal Services	54.0	54.1	52.7	-.1	1.3
Business Services	222.4	220.2	208.3	2.2	14.1
Services to Buildings	34.1	33.7	32.6	.3	1.5
Personnel Supply Services	78.5	76.9	73.1	1.6	5.5
Computer and Data Processing Services	28.1	28.1	25.9	.0	2.3
Amusements, Including Motion Pictures	70.9	71.2	73.7	-.3	-2.8
Health Services	401.0	399.5	388.5	1.5	12.5
Nursing and Personal Care Facilities	87.1	86.7	84.1	.4	3.1
Hospitals	193.4	193.0	189.0	.4	4.4
Legal Services	30.8	30.9	29.0	-.1	1.8
Educational Services	48.5	49.5	47.2	-.9	1.4
Colleges and Universities	24.4	25.0	23.7	-.6	.7
Social Services	75.3	75.1	72.2	.2	3.1
Residential Care	23.7	23.6	22.4	.1	1.3
Membership Organizations	82.1	81.8	79.4	.3	2.7
Engineering and Management Services	89.3	88.9	86.2	.5	3.2
Engineering and Architectural Services	27.5	27.4	26.7	.1	.8
Accounting, Auditing, and Bookkeeping	21.5	21.5	20.9	.0	.7
Research and Testing Services	19.8	19.6	19.2	.1	.6
Management and Public Relations	20.5	20.3	19.4	.2	1.1
Government	671.1	681.2	655.8	-10.2	15.3
Federal Government	99.8	99.6	98.1	.3	1.7
U.S. Postal Service	33.8	34.0	34.5	-.2	-.7
State Government	141.9	144.3	138.7	-2.4	3.3
State Government Hospitals	15.9	15.9	15.9	.0	.0
State Government Education[h]	62.9	64.7	61.1	-1.8	1.9
Local Government	429.3	437.4	419.0	-8.1	10.3
Local Government Hospitals	15.1	15.1	14.8	.1	.3
Local Government Education	229.2	233.4	223.9	-4.2	5.3

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Goods-Producing Industries	$558.31	$548.77	$512.41	42.2	41.7	40.7	$13.23	$13.16	$12.59
Mining	627.25	606.63	595.41	44.9	43.8	44.6	13.97	13.85	13.35
Coal Mining	735.70	707.65	724.11	43.2	41.7	43.7	17.03	16.97	16.57
Construction	635.99	616.10	626.05	40.1	38.7	40.6	15.86	15.92	15.42
General Building Contractors	554.53	544.31	550.34	40.3	39.5	40.2	13.76	13.78	13.69
Heavy Construction, Except Building	696.68	620.46	694.10	42.3	38.3	43.3	16.47	16.20	16.03
Special Trade Contractors	645.83	637.29	635.60	39.5	38.6	40.0	16.35	16.51	15.89
Manufacturing	540.59	532.14	514.46	42.6	42.2	42.1	12.69	12.61	12.22
Durable Goods[f]	559.82	550.35	530.02	42.8	42.4	42.3	13.08	12.98	12.53
Lumber and Wood Products	319.84	311.54	332.51	39.1	38.7	40.5	8.18	8.05	8.21
Millwork, Plywood and Structural Members	371.28	359.68	363.80	42.0	41.2	42.6	8.84	8.73	8.54
Furniture and Fixtures	404.89	388.03	379.35	42.8	41.5	41.1	9.46	9.35	9.23
Stone, Clay, and Glass Products	497.81	493.06	480.22	43.1	42.8	42.8	11.55	11.52	11.22
Primary Metal Industries	651.73	644.36	613.02	44.7	44.5	43.6	14.58	14.48	14.06
Blast Furnace and Basic Steel Products	674.98	666.08	635.71	46.2	46.0	44.3	14.61	14.48	14.35
Iron and Steel Foundries	683.32	659.37	618.30	44.0	42.9	42.7	15.53	15.37	14.48
Nonferrous Rolling and Drawing	681.86	689.67	658.03	41.3	41.9	41.7	16.51	16.46	15.78
Nonferrous Foundries	468.60	476.28	453.71	44.0	44.1	43.5	10.65	10.80	10.43
Fabricated Metal Products	524.16	506.75	490.28	42.0	41.3	41.2	12.48	12.27	11.90
Fabricated Structural Metal Products	473.34	469.56	451.68	42.0	42.0	41.9	11.27	11.18	10.78
Metal Forgings and Stampings	664.25	622.82	593.07	43.5	41.8	41.1	15.27	14.90	14.43
Industrial Machinery and Equipment	550.31	539.71	515.95	43.4	42.8	42.5	12.68	12.61	12.14
Construction and Related Machinery	438.26	443.00	433.36	39.2	39.1	40.2	11.18	11.33	10.78
Metalworking Machinery	535.02	516.34	514.17	44.4	43.1	43.5	12.05	11.98	11.82
Special Industry Machinery	521.46	501.38	503.73	43.6	43.0	43.5	11.96	11.66	11.58
General Industrial Machinery	632.70	630.78	570.14	45.0	44.8	42.9	14.06	14.08	13.29
Computer and Office Equipment	477.77	477.36	496.60	41.8	41.8	44.3	11.43	11.42	11.21
Refrigeration and Service Machinery	589.17	598.33	546.32	41.0	41.9	40.2	14.37	14.28	13.59
Electronic and Other Electric Equipment	470.18	456.84	457.73	41.1	40.5	41.2	11.44	11.28	11.11
Electrical Industrial Apparatus	455.28	468.27	432.37	42.0	43.0	42.1	10.84	10.89	10.27
Household Appliances	488.02	472.33	490.03	40.1	39.1	40.7	12.17	12.08	12.04
Electric Lighting and Wiring Equipment	510.84	471.62	464.44	40.9	39.4	39.9	12.49	11.97	11.64
Electronic Components and Accessories	338.66	338.99	335.38	41.2	40.5	40.8	8.22	8.37	8.22
Transportation Equipment	716.13	722.67	682.78	43.8	44.2	43.6	16.35	16.35	15.66
Motor Vehicles and Equipment	741.32	750.27	705.03	44.1	44.5	43.9	16.81	16.86	16.06
Aircraft and Parts	669.48	670.70	642.32	43.9	44.3	43.4	15.25	15.14	14.80
Instruments and Related Products	398.16	394.76	394.00	40.3	40.2	41.3	9.88	9.82	9.54
Measuring and Controlling Devices	375.94	386.91	391.68	38.4	39.4	40.8	9.79	9.82	9.60
Nondurable Goods[g]	496.78	491.99	478.40	42.1	41.8	41.6	11.80	11.77	11.50
Food and Kindred Products	489.34	475.57	468.42	42.7	41.9	42.2	11.46	11.35	11.10
Dairy Products	485.20	487.56	463.86	42.9	43.3	42.4	11.31	11.26	10.94
Preserved Fruits and Vegetables	534.38	472.42	506.04	43.2	39.5	43.4	12.37	11.96	11.66
Bakery Products	500.58	505.47	471.86	40.5	40.6	38.9	12.36	12.45	12.13
Apparel and Other Textile Products	311.65	305.37	288.10	39.7	39.1	36.7	7.85	7.81	7.85
Paper and Allied Products	522.14	524.94	496.50	44.4	44.6	43.4	11.76	11.77	11.44
Paperboard Containers and Boxes	464.98	470.98	431.34	44.2	44.6	42.0	10.52	10.56	10.27
Miscellaneous Converted Paper Products	491.27	483.99	442.30	44.1	43.8	42.9	11.14	11.05	10.31
Printing and Publishing	472.03	469.66	448.14	39.8	39.6	38.8	11.86	11.86	11.55
Newspapers	376.42	373.56	382.84	33.4	33.0	34.0	11.27	11.32	11.26
Commercial Printing	475.94	471.71	440.59	41.1	40.7	39.8	11.58	11.59	11.07
Chemicals and Allied Products	613.56	604.76	589.69	43.3	42.8	42.7	14.17	14.13	13.81
Plastics Materials and Synthetics	674.06	663.81	684.99	43.6	43.5	44.8	15.46	15.26	15.29
Rubber and Miscellaneous Plastics Products	459.38	458.55	444.56	41.8	41.8	41.9	10.99	10.97	10.61
Tires and Inner Tubes	718.10	724.50	724.16	44.3	45.0	46.6	16.21	16.10	15.54
Miscellaneous Plastics Products	444.22	442.15	423.12	41.4	41.4	41.2	10.73	10.68	10.27
Service-Producing Industries	.....	.....	.....	....	....	....	.....	.....	.....
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	620.26	629.16	601.95	41.6	42.0	41.6	14.91	14.98	14.47
Communications	570.73	578.71	587.88	39.8	40.3	41.4	14.34	14.36	14.20
Electric, Gas, and Sanitary Services	676.24	687.72	618.44	43.6	44.0	41.9	15.51	15.63	14.76
Wholesale Trade	420.90	417.20	407.29	39.3	39.1	39.2	10.71	10.67	10.39
Wholesale Trade-Durable Goods	416.46	413.17	395.69	39.4	39.2	39.1	10.57	10.54	10.12
Motor Vehicles, Parts, and Supplies	348.55	359.28	339.80	37.6	38.1	37.3	9.27	9.43	9.11
Metals and Minerals, Except Petroleum	479.97	466.07	458.34	42.4	41.1	42.4	11.32	11.34	10.81
Wholesale Trade-Nondurable Goods	426.66	424.32	427.10	39.0	39.0	39.4	10.94	10.88	10.84

See footnotes on page 13.

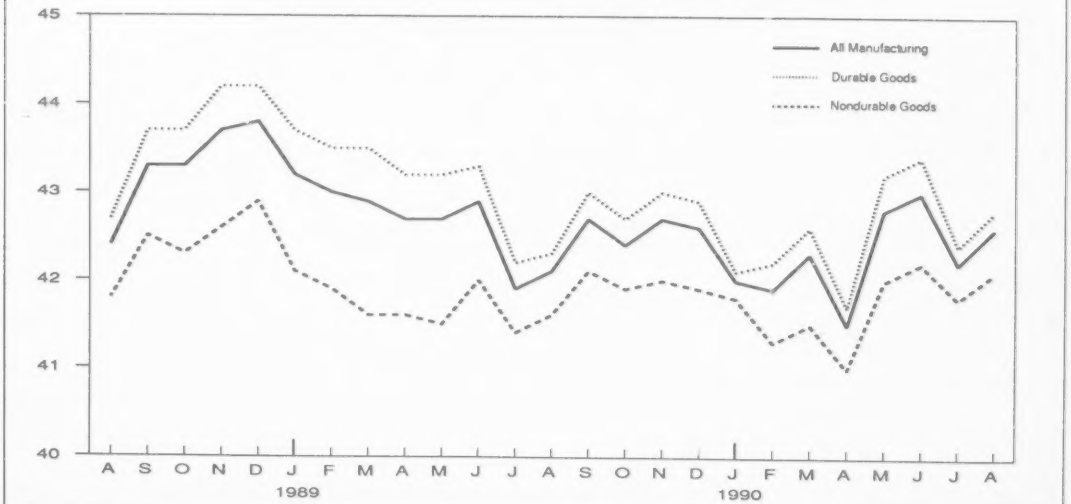
Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

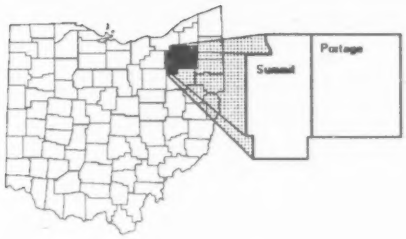
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Retail Trade[i]	$179.63	$180.62	$176.61	28.2	28.4	29.0	$6.37	$6.36	$6.09
General Merchandise Stores	196.52	195.55	185.02	28.9	28.8	29.0	6.80	6.79	6.38
Department Stores	200.39	200.79	190.09	29.0	29.1	29.2	6.91	6.90	6.51
Finance, Insurance, and Real Estate	351.83	350.02	339.45	....	....	....	.....	.....	.....
Finance	324.59	324.11	316.83	....	....	....	.....	.....	.....
Depository Institutions	277.15	276.85	271.04	....	....	....	.....	.....	.....
Commercial Banks	272.54	271.75	268.54	....	....	....	.....	.....	.....
Insurance	419.25	418.39	402.94	....	....	....	.....	.....	.....
Insurance Carriers	405.89	406.24	390.72	....	....	....	.....	.....	.....
Life Insurance	376.86	379.74	365.36	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	437.20	435.73	417.87	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Business Services	246.51	244.78	215.68	33.0	32.9	32.0	7.47	7.44	6.74
Health Services	317.68	318.36	300.51	31.8	31.9	31.8	9.99	9.98	9.45
Nursing and Personal Care Facilities	212.80	216.03	196.25	32.0	32.1	31.5	6.65	6.73	6.23
Hospitals	373.43	375.40	356.10	32.5	32.7	32.7	11.49	11.48	10.89
Engineering and Management Services	484.70	484.98	457.35	35.2	35.4	34.7	13.77	13.70	13.18
Engineering and Architectural Services	676.66	667.65	622.76	33.3	32.6	31.5	20.32	20.48	19.77
Research and Testing Services	393.13	397.46	355.66	36.1	36.7	34.8	10.89	10.83	10.22

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Includes miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Average Weekly Hours of Production Workers in Ohio Manufacturing Industries



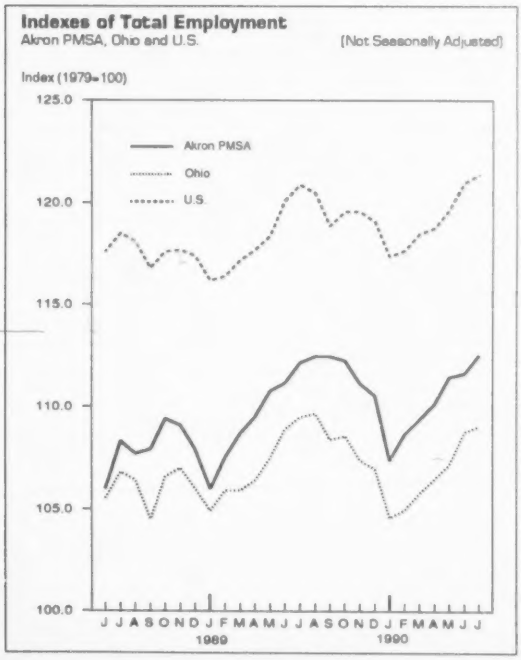
Akron Primary Metropolitan Statistical Area

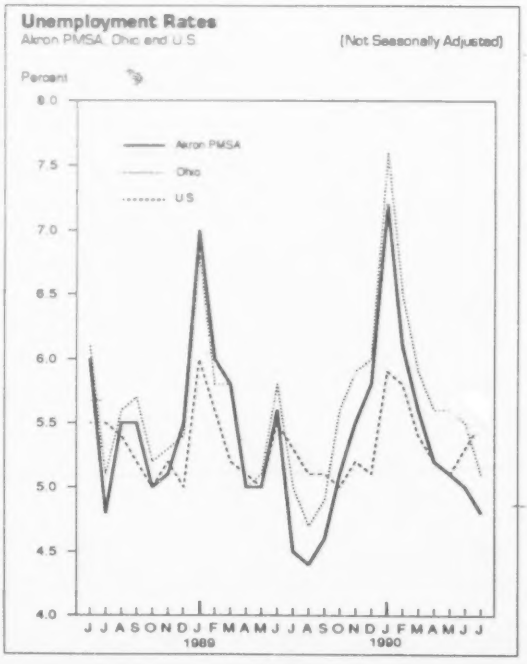


Nonfarm payroll employment in the Akron metropolitan area increased 500 above the July level to 290,600 in August 1990. Employment in goods-producing industries rose 600 to 80,000. Improvements were posted in manufacturing, especially fabricated metal products and food and kindred products, and in construction. The number of jobs in service-producing industries declined 100 over the month. Modest reductions in state and local government and less business in services outweighed gains in retail trade. Manufacturing production workers averaged $12.17 per hour, up 20 cents from July. Their average workweek of 43.3 hours was 0.7 hours longer.

Nonagricultural wage and salary employment advanced 9,000 between August 1989 and August 1990. Expansion in the service-producing sector contributed 95.6 percent of the gain. Leading growth industries were services (+4,700) and retail trade (+2,100). The workforce in goods-producing industries increased 400 over the year as growth in construction overshadowed declines in manufacturing. Lowered production in industrial machinery and equipment and in transportation equipment negated a gain in rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Akron area rose 2,000 from July to 293,000 in August 1990 primarily due to an increase in manufacturing. Since August 1989, total payroll employment advanced 9,000. Most of the growth occurred in services (+4,000) and retail trade (+2,000). Modest gains were also posted in transportation and public utilities and in government.





Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	$321.57	41.6	$7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
324.9	305.2	19.7	6.1	1988	272.7	66.2	37.7	502.28	43.3	11.60
333.0	315.1	17.8	5.4	1989	282.2	67.7	39.5	495.75	42.7	11.61
				1989						
336.0	321.1	14.9	4.4	August	281.6	68.0	39.7	491.18	42.6	11.53
336.5	321.1	15.4	4.6	September	289.1	68.1	39.7	511.49	43.2	11.84
337.8	320.6	17.2	5.1	October	288.5	67.9	39.4	497.78	42.4	11.74
335.9	317.3	18.6	5.5	November	289.1	67.8	39.1	502.79	42.9	11.72
335.3	315.7	19.5	5.8	December	289.4	67.7	38.9	504.70	43.1	11.71
				1990						
330.0	306.4	23.6	7.2	January	277.2	67.1	38.1	497.64	42.9	11.60
330.3	310.1	20.2	6.1	February	282.7	67.3	38.4	496.40	42.5	11.68
330.6	312.2	18.4	5.6	March	285.4	67.6	38.6	500.02	42.7	11.71
331.9	314.5	17.4	5.2	April	289.2	67.5	38.6	479.49	41.3	11.61
335.2	318.2	17.0	5.1	May	293.6	67.4	38.4	516.00	43.0	12.00
335.3	318.7	16.6	5.0	June	291.1	68.0	[illegible]	524.36	43.3	12.11
337.6	321.5	16.2	4.8	July	290.1	67.6	[illegible]	509.92	42.6	11.97
INA	INA	INA	INA	August	290.6	67.9	[illegible]	526.96	43.3	12.17

INA – Information not available

Akron PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
271	95	9	86	1979	176	15	12	46	9	50	43
262	88	8	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	76	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
282	78	10	68	1989	204	13	15	55	10	66	44
				1989							
284	78	10	68	August	205	13	16	55	11	67	44
284	78	10	68	September	206	13	16	55	11	67	44
284	78	10	68	October	206	13	16	56	11	67	44
285	78	10	69	November	207	13	16	56	11	68	44
286	78	10	68	December	208	13	16	56	11	68	44
				1990							
285	78	10	68	January	206	13	16	56	11	67	43
288	79	10	68	February	209	13	16	57	11	68	45
288	79	10	68	March	210	13	16	57	11	69	45
289	79	11	68	April	210	13	16	57	11	69	45
290	78	10	67	May	212	13	16	57	11	70	45
291	79	10	68	June	213	14	16	57	11	71	45
291	78	10	67	July	213	14	16	57	11	71	45
293	79	10	68	August	214	14	16	57	11	71	45

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	290.6	290.1	281.6	.5	9.0
Goods-Producing Industries[e]	80.0	79.5	79.6	.6	.4
Construction	11.4	11.2	11.0	.2	.5
Manufacturing	67.9	67.6	68.0	.3	-.1
Durable Goods[f]	34.3	34.1	34.7	.2	-.3
Fabricated Metal Products	11.0	10.7	11.0	.3	.0
Fabricated Structural Metal Products	4.9	4.9	4.8	.0	.0
Industrial Machinery and Equipment	10.0	10.0	10.3	.0	-.3
Metalworking Machinery	3.9	3.8	3.9	.0	.0
Electronic and Other Electric Equipment	2.5	2.5	2.5	.0	.0
Transportation Equipment	4.8	4.8	5.0	.0	-.2
Nondurable Goods[g]	33.6	33.5	33.4	.1	.2
Food and Kindred Products	3.1	3.0	3.1	.1	.0
Chemicals and Allied Products	3.7	3.7	3.8	.0	-.1
Rubber and Miscellaneous Plastics Products	20.7	20.7	20.3	.0	.4
Tires and Inner Tubes	11.5	11.5	11.2	.0	.2
Service-Producing Industries	210.5	210.7	201.9	-.1	8.6
Transportation and Public Utilities	13.7	13.6	13.2	.1	.4
Communications, Electric, Gas Services	4.7	4.7	4.8	.0	.0
Wholesale Trade	16.0	16.1	15.5	.0	.6
Retail Trade	57.5	57.1	55.3	.4	2.1
General Merchandise Stores	7.4	7.5	7.3	-.1	.2
Food Stores	9.2	9.1	9.2	.1	.0
Finance, Insurance, and Real Estate	10.8	10.8	10.7	.0	.2
Finance	5.4	5.4	5.4	.0	.0
Services	73.8	74.0	69.1	-.2	4.7
Business Services	12.3	12.5	11.7	-.2	.7
Personnel Supply Services	3.4	3.4	3.4	.0	.0
Amusements, Including Motion Pictures	9.7	9.9	7.9	-.1	1.8
Health Services	22.5	22.4	21.6	.1	.8
Nursing and Personal Care Facilities	4.0	4.0	3.8	.0	.2
Hospitals	11.0	11.1	10.8	.0	.3
Social Services	4.8	4.7	4.6	.0	.1
Engineering and Management Services	5.4	5.4	5.0	.1	.4
Government	38.7	39.1	38.0	-.4	.6
Federal Government	2.7	2.7	2.4	.0	.2
State Government	11.3	11.5	11.0	-.2	.3
State Government Education[h]	8.3	8.6	8.0	-.2	.3
Local Government	24.7	24.9	24.6	-.2	.1
Local Government Education	12.1	12.2	12.1	.0	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

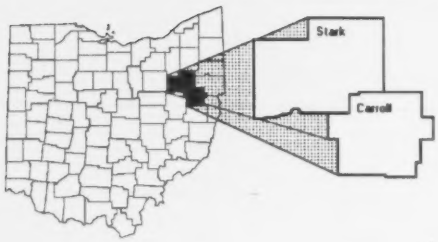
Not Seasonally Adjusted

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Manufacturing	$526.96	$509.92	$491.18	43.3	42.6	42.6	$12.17	$11.97	$11.53
Durable Goods[f]	541.88	515.74	500.33	43.7	42.8	42.8	12.40	12.05	11.69
Fabricated Metal Products	682.38	624.94	595.98	44.6	42.6	43.0	15.30	14.67	13.86
Fabricated Structural Metal Products	491.07	488.80	476.06	41.9	41.6	43.2	11.72	11.75	11.02
Industrial Machinery and Equipment	499.95	480.48	471.59	45.0	44.0	44.7	11.11	10.92	10.55
Metalworking Machinery	548.26	524.77	515.13	46.9	45.2	46.2	11.69	11.61	11.15
Electronic and Other Electric Equipment	442.85	440.77	392.50	42.5	42.3	38.9	10.42	10.42	10.09
Transportation Equipment	608.95	616.59	612.16	42.2	42.7	42.6	14.43	14.44	14.37
Nondurable Goods[g]	506.00	502.02	478.84	42.7	42.4	42.3	11.85	11.84	11.32
Food and Kindred Products	402.98	388.48	392.64	40.5	39.6	41.2	9.95	9.81	9.53
Chemicals and Allied Products	561.83	542.63	529.70	44.1	43.1	43.1	12.74	12.59	12.29
Rubber and Miscellaneous Plastics Products	523.91	525.67	494.42	44.1	44.1	43.6	11.88	11.92	11.34
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	584.59	587.89	614.67	40.4	40.6	41.9	14.47	14.48	14.67
Wholesale Trade	368.00	357.92	360.61	36.8	36.3	37.1	10.00	9.86	9.72
Retail Trade[i]	220.94	223.17	215.46	30.9	31.3	32.4	7.15	7.13	6.65
General Merchandise Stores	203.70	195.88	206.70	30.0	29.5	31.4	6.79	6.64	6.57
Food Stores	313.60	321.41	3[illegible]	37.2	38.4	39.2	8.43	8.37	8.49
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	283.37	284.90	273.04	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

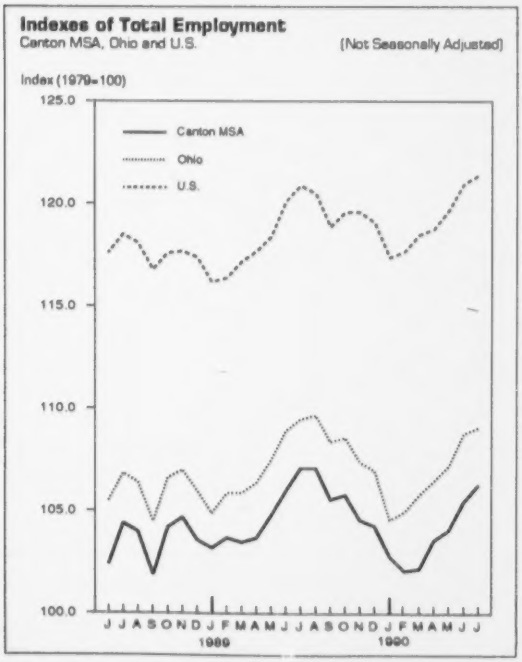
Canton Metropolitan Statistical Area

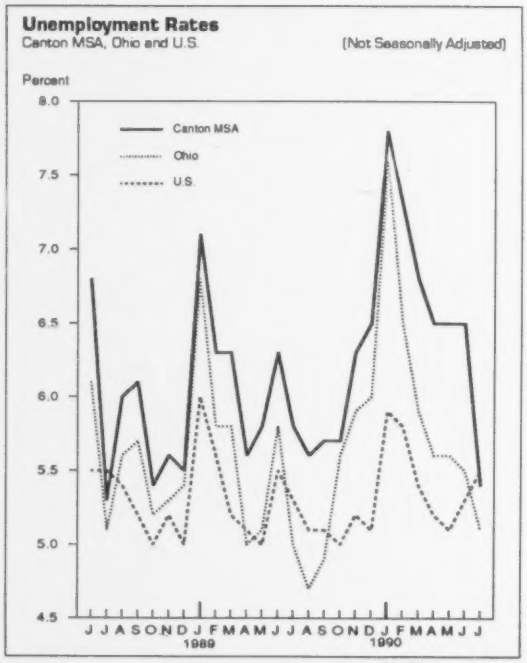


In the Canton metropolitan area, nonagricultural payroll employment totaled 168,700 in August 1990, up 600 from the July level. More business in retail trade and services helped raise employment in service-producing industries 700. The number of employees in goods-producing industries decreased 100 over the month to 54,300. Scattered declines in manufacturing negated nominal gains in construction. Factory production worker average hourly earnings were fractionally higher than July at $11.50. Their average workweek of 42.5 hours was 0.2 hours longer.

Nonfarm wage and salary employment advanced 3,800 between August 1989 and August 1990. The improvement was concentrated in the service-producing sector. Primary areas of expansion were services, retail trade, and local government. The workforce in goods-producing industries declined 100 over the year. Reductions in manufacturing, especially fabricated metal products, electronic and other electric equipment, and rubber and miscellaneous plastics products, outweighed modest growth in construction employment.

Seasonally adjusted employment in the Canton area increased 1,000 from the July level to 168,000 in August 1990 due to scattered gains in service-producing industries. Since August 1989, total payroll employment advanced 4,000. Noteworthy expansion occurred in services, wholesale trade, retail trade, and government. Manufacturing employment declined during the period.





Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	$330.88	40.9	$8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
194.1	182.3	11.8	6.1	1989	164.1	45.6	32.5	466.91	41.8	11.17
				1989						
197.0	186.1	10.9	5.6	August	164.9	45.9	33.1	464.21	41.3	11.24
194.5	183.5	11.0	5.7	September	166.3	46.0	33.3	466.99	41.4	11.28
194.9	183.8	11.1	5.7	October	161.8	40.6	28.1	456.08	41.2	11.07
193.8	181.7	12.1	6.3	November	166.5	45.7	31.8	462.26	41.2	11.22
193.9	181.2	12.7	6.5	December	167.2	45.6	31.8	467.87	41.7	11.22
				1990						
193.6	178.5	15.1	7.8	January	163.1	45.5	31.8	475.45	42.3	11.24
191.3	177.3	14.0	7.3	February	162.7	45.4	31.8	473.91	42.2	11.23
190.3	177.5	12.9	6.8	March	163.3	44.8	31.2	472.36	42.1	11.22
192.6	180.0	12.6	6.5	April	165.5	44.1	30.3	474.31	41.9	11.32
193.4	180.8	12.6	6.5	May	167.8	44.8	31.0	479.94	42.1	11.40
196.1	183.3	12.8	6.5	June	169.1	45.4	31.7	487.60	42.4	11.50
195.2	184.6	10.6	5.4	July	168.1	45.5	31.7	485.18	42.3	11.47
INA	INA	INA	INA	August	168.7	45.2	31.7	488.75	42.5	11.50

INA – Information not available

*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
161	67	6	59	1979	94	8	7	27	6	28	18
157	62	5	56	1980	95	7	7	26	6	29	19
157	61	5	55	1981	95	7	8	26	6	30	19
149	54	5	48	1982	95	6	8	26	6	30	18
143	49	4	44	1983	94	6	7	26	6	31	18
149	53	5	46	1984	97	6	8	27	6	31	18
151	53	5	46	1985	99	6	8	29	6	32	18
152	50	5	44	1986	102	6	8	30	6	33	18
156	51	6	44	1987	106	6	8	31	7	36	18
160	52	6	45	1988	108	6	8	32	7	37	19
164	53	7	46	1989	111	6	9	33	7	38	19
				1989							
164	53	7	46	August	111	6	8	33	7	38	19
165	53	7	46	September	111	6	9	33	7	38	19
160	48	7	40	October	112	6	9	33	7	38	19
165	53	7	46	November	111	6	9	33	7	38	19
166	53	7	46	December	112	6	9	33	7	39	19
				1990							
166	54	7	46	January	112	6	8	34	7	39	19
167	54	7	46	February	112	6	8	34	7	39	19
166	53	8	45	March	113	6	8	34	7	39	19
167	53	8	44	April	114	6	9	34	7	39	20
167	53	7	45	May	114	6	9	34	7	39	20
168	53	7	45	June	114	6	9	34	7	40	20
167	53	7	45	July	114	6	9	34	7	40	20
168	53	7	45	August	115	6	9	34	7	40	20

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	168.7	168.1	164.9	.6	3.8
Goods-Producing Industries[e]	54.3	54.4	54.5	-.1	-.1
Construction	8.3	8.2	7.8	.1	.5
Manufacturing	45.2	45.5	45.9	-.2	-.6
Durable Goods[f]	33.5	33.6	34.1	-.1	-.6
Primary Metal Industries	11.7	11.7	11.7	.0	.0
Fabricated Metal Products	5.7	5.7	6.4	.1	-.6
Electronic and Other Electric Equipment	3.9	3.9	4.2	.0	-.3
Nondurable Goods[g]	11.7	11.8	11.7	-.1	.0
Food and Kindred Products	3.4	3.4	3.3	.0	.1
Rubber and Miscellaneous Plastics Products	2.8	2.9	3.1	.0	-.3
Service-Producing Industries	114.3	113.7	110.4	.7	4.0
Transportation and Public Utilities	5.7	5.7	5.8	.0	-.1
Communications, Electric, Gas Services	2.7	2.7	2.7	.0	.0
Wholesale Trade	8.7	8.6	8.6	.1	.1
Retail Trade	34.1	33.8	32.9	.3	1.2
General Merchandise Stores	4.0	4.0	4.1	.0	-.1
Food Stores	5.6	5.6	5.5	.0	.1
Finance, Insurance, and Real Estate	6.9	6.9	6.9	.0	.0
Finance	4.0	4.0	4.0	.0	.0
Services	40.2	39.9	38.5	.2	1.7
Health Services	16.3	16.2	15.8	.1	.5
Nursing and Personal Care Facilities	3.9	3.9	3.8	.0	.1
Hospitals	7.6	7.6	7.4	.0	.2
Government	18.8	18.7	17.7	.1	1.0
Federal Government	1.6	1.6	1.4	.0	.1
State Government (Includes Education)	1.6	1.7	1.7	-.1	.0
Local Government	15.6	15.5	14.7	.1	.9
Local Government Education	8.6	8.8	8.2	-.1	.5

Hours and Earnings of Production or Nonsupervisory Workers[a]

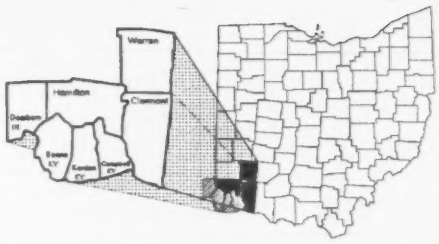
Not Seasonally Adjusted

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Manufacturing	$488.75	$485.18	$464.21	42.5	42.3	41.3	$11.50	$11.47	$11.24
Durable Goods[f]	506.86	509.76	486.04	43.1	43.2	41.9	11.76	11.80	11.60
Primary Metal Industries	558.55	579.68	490.26	45.3	46.3	42.3	12.33	12.52	11.59
Fabricated Metal Products	460.22	463.81	476.39	40.8	40.9	40.1	11.28	11.34	11.88
Electronic and Other Electric Equipment	547.87	509.33	537.51	39.5	37.7	41.0	13.87	13.51	13.11
Nondurable Goods[g]	433.05	413.92	396.14	40.7	39.8	39.3	10.64	10.40	10.08
Food and Kindred Products	465.09	425.71	387.70	41.6	39.2	37.1	11.18	10.86	10.45
Rubber and Miscellaneous Plastics Products	383.50	384.96	397.99	39.7	40.1	41.2	9.66	9.60	9.66
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	589.59	593.81	589.37	40.3	40.7	41.1	14.63	14.59	14.34
Wholesale Trade	392.66	381.15	375.06	38.8	38.5	38.0	10.12	9.90	9.87
Retail Trade[i]	176.08	174.99	165.27	28.4	28.5	28.3	6.20	6.14	5.84
General Merchandise Stores	195.59	196.25	188.75	29.5	29.6	30.2	6.63	6.63	6.25
Food Stores	164.39	167.30	159.02	28.1	28.5	27.8	5.85	5.87	5.72
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	191.14	194.31	170.24	30.1	30.6	29.1	6.35	6.35	5.85

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [i]Money payments only; tips not included. [l]Depressed due to labor-management disputes.

Cincinnati Primary Metropolitan Statistical Area

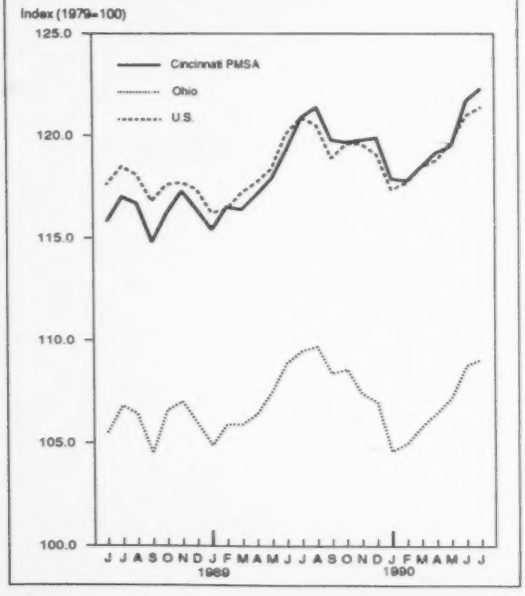


Nonfarm payroll employment in the Cincinnati metropolitan area rose 2,600 from July to 757,200 in August 1990. More business in retail trade and services added 1,600 jobs in the service-producing sector. Gains in construction and scattered improvements in manufacturing increased employment in goods-producing industries 1,000 over the month to 187,800. Factory production workers averaged $12.18 per hour, up 16 cents from July. Their average workweek of 43.7 hours was 0.7 hours longer.

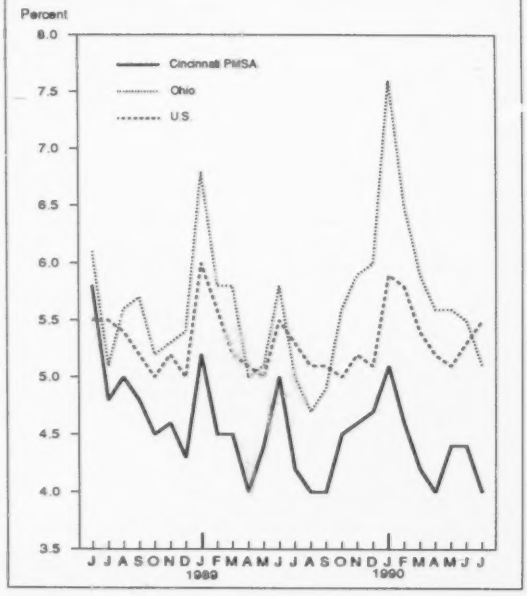
Nonagricultural wage and salary employment advanced 26,300 between August 1989 and August 1990. Expansion in the service-producing sector contributed 88.6 percent of the gain. Significant growth occurred in retail trade (+8,600) and services (+7,100). Noteworthy improvements were also posted in local government, wholesale trade, and transportation and public utilities. Increases in construction and manufacturing raised employment in goods-producing industries 3,000 during the period. Modest gains were recorded in transportation equipment, printing and publishing, and chemicals and allied products.

Seasonally adjusted employment in the Cincinnati area increased 2,000 from July to 755,000 in August 1990. Improvements in construction, retail trade, and services more than offset a decline in manufacturing. Since August 1989, total payroll employment advanced 26,000. Leading areas of expansion were retail trade (+9,000), services (+7,000), and government (+4,000).

Indexes of Total Employment
Cincinnati PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Cincinnati PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	$303.37	41.5	$7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
761.3	722.2	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23
780.3	745.4	34.9	4.5	1989	726.4	146.7	92.6	497.64	42.9	11.60
				1989						
793.8	762.3	31.5	4.0	August	730.9	147.8	93.1	503.41	43.1	11.68
784.2	752.7	31.5	4.0	September	738.0	148.9	94.1	506.48	43.4	11.67
787.4	751.9	35.5	4.5	October	739.2	148.8	94.3	508.21	43.4	11.71
788.5	752.2	36.3	4.6	November	743.8	149.5	94.6	511.13	43.5	11.75
790.7	753.4	37.3	4.7	December	748.2	149.7	94.8	498.19	42.8	11.64
				1990						
779.7	740.3	39.4	5.1	January	726.3	148.9	93.7	502.04	42.8	11.73
775.6	739.7	35.9	4.6	February	727.9	149.1	93.9	498.53	42.5	11.73
777.2	744.5	32.7	4.2	March	735.1	148.3	93.1	515.70	43.3	11.91
780.3	748.7	31.5	4.0	April	744.8	147.8	92.7	490.73	41.8	11.74
784.6	750.3	34.3	4.4	May	753.0	148.0	92.8	519.60	43.3	12.00
799.2	764.1	35.1	4.4	June	758.8	148.8	93.4	528.00	43.6	12.11
799.8	768.2	31.6	4.0	July	754.7	148.7	93.3	516.86	43.0	12.02
INA	INA	INA	INA	August	757.2	149.1	93.8	532.27	43.7	12.18

INA – Information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
607	201	27	173	1979	406	34	38	102	32	117	83
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
726	181	34	147	1989	545	39	48	142	43	183	90
				1989							
729	181	34	147	August	547	40	48	143	43	183	91
730	182	34	148	September	548	40	48	144	43	184	90
733	183	34	148	October	551	40	48	145	43	185	90
737	183	35	148	November	554	40	49	145	43	188	90
740	184	35	148	December	556	40	49	146	43	189	90
				1990							
741	186	35	150	January	555	41	48	147	43	185	91
744	187	36	151	February	557	41	49	148	43	186	91
746	186	36	150	March	560	41	49	149	43	188	91
746	185	36	149	April	561	41	49	150	43	187	91
749	185	36	149	May	564	41	49	151	43	188	92
752	185	36	149	June	567	41	50	151	43	189	93
753	184	35	149	July	569	41	50	151	43	189	95
755	184	36	148	August	571	41	50	152	43	190	95

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	757.2	754.7	730.9	2.6	26.3
Goods-Producing Industries[e]	187.8	186.8	184.8	1.0	3.0
Construction	38.2	37.6	36.5	.6	1.7
Manufacturing	149.1	148.7	147.8	.4	1.3
Durable Goods[f]	80.5	80.3	79.9	.2	.6
Fabricated Metal Products	12.2	12.1	12.2	.1	.0
Fabricated Structural Metal Products	4.5	4.4	4.4	.1	.1
Industrial Machinery and Equipment	19.2	19.1	19.3	.0	-.1
Electronic and Other Electric Equipment	7.6	7.6	7.8	.0	-.2
Transportation Equipment	25.0	25.1	24.3	-.1	.7
Motor Vehicles and Equipment	4.9	5.0	5.0	-.1	-.1
Instruments and Related Products	3.5	3.6	3.5	.0	.0
Nondurable Goods[g]	68.6	68.5	68.0	.2	.7
Food and Kindred Products	12.3	12.4	12.2	.0	.1
Beverages	3.0	3.0	2.8	.0	.1
Apparel and Other Textile Products	3.4	3.5	3.6	-.1	-.2
Paper and Allied Products	6.0	5.9	5.9	.1	.1
Printing and Publishing	14.7	14.6	14.3	.1	.3
Commercial Printing	6.4	6.4	6.3	.0	.1
Chemicals and Allied Products	22.7	22.7	22.3	.0	.3
Rubber and Miscellaneous Plastics Products	6.9	6.8	6.9	.1	.0
Service-Producing Industries	569.4	567.9	546.1	1.6	23.3
Transportation and Public Utilities	41.4	41.2	39.7	.2	1.7
Transportation	24.9	24.7	23.4	.2	1.5
Trucking and Warehousing	11.3	11.2	10.7	.1	.6
Transportation by Air	6.9	6.8	6.2	.1	.7
Communications, Electric, Gas Services	16.5	16.5	16.3	.0	.3
Communications	9.6	9.6	9.8	.0	-.2
Wholesale Trade	49.8	50.0	47.9	-.2	1.9
Wholesale Trade-Durable Goods	29.2	29.3	28.5	-.1	.8
Retail Trade	152.6	151.5	143.9	1.0	8.6
General Merchandise Stores	22.3	22.3	21.1	.1	1.2
Finance, Insurance, and Real Estate	43.6	43.6	43.2	.0	.4
Finance	17.6	17.7	17.4	.0	.3
Depository Institutions	13.9	13.9	13.6	.0	.3
Commercial Banks	9.8	9.7	9.5	.0	.3
Insurance	16.9	17.1	17.1	-.2	-.2
Insurance Carriers	14.1	14.3	14.4	-.2	-.3
Life Insurance	6.7	6.7	6.9	.0	-.2
Fire, Marine, and Casualty Insurance	5.3	5.3	5.1	.0	.3
Services	194.1	193.3	187.0	.8	7.1
Hotels and Other Lodging Places	8.1	8.0	7.8	.1	.3
Personal Services	8.5	8.6	8.2	-.1	.3
Business Services	38.8	38.3	37.3	.5	1.5
Services to Buildings	6.3	6.1	5.9	.1	.4
Computer and Data Processing Services	4.9	4.9	4.6	.0	.4
Amusements, Including Motion Pictures	14.2	14.4	14.5	-.2	-.3
Health Services	58.6	58.3	56.2	.3	2.4
Nursing and Personal Care Facilities	11.2	11.2	11.0	.0	.3
Hospitals	27.9	27.9	26.9	.1	1.1
Legal Services	4.7	4.7	4.3	.0	.3
Educational Services	5.8	5.9	5.8	-.1	.0
Social Services	12.7	12.6	12.0	.1	.7
Residential Care	5.0	5.0	4.8	.0	.2
Engineering and Management Services	17.3	17.1	16.5	.2	.9
Engineering and Architectural Services	6.0	5.9	5.6	.1	.3
Government	87.9	88.3	84.3	-.3	3.6
Federal Government	16.5	16.5	15.6	.0	.9
State Government	20.2	19.5	19.7	.7	.5
State Government Education[h]	11.9	11.2	11.4	.7	.4
Local Government	51.2	52.2	49.0	-1.0	2.1
Local Government Education	26.2	26.6	24.7	-.4	1.5

Hours and Earnings of Production or Nonsupervisory Workers[a]

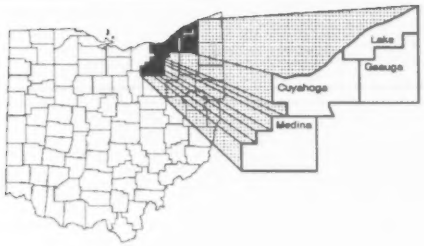
Not Seasonally Adjusted

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Manufacturing	$532.27	$516.86	$503.41	43.7	43.0	43.1	$12.18	$12.02	$11.68
Durable Goods[f]	527.35	503.76	491.63	43.8	42.8	42.9	12.04	11.77	11.46
Fabricated Metal Products	444.62	442.04	416.33	43.0	43.0	41.8	10.34	10.28	9.96
Fabricated Structural Metal Products	519.49	523.25	446.61	44.9	45.5	41.7	11.57	11.50	10.71
Industrial Machinery and Equipment	478.34	469.53	454.86	42.9	42.3	42.0	11.15	11.10	10.83
Electronic and Other Electric Equipment	388.82	395.91	367.84	40.8	41.5	40.6	9.53	9.54	9.06
Transportation Equipment	832.61	738.44	772.68	48.1	44.7	47.0	17.31	16.52	16.44
Motor Vehicles and Equipment	996.56	740.81	904.24	52.7	42.6	50.8	18.91	17.39	17.80
Instruments and Related Products	419.08	418.25	355.73	44.3	44.4	44.3	9.46	9.42	8.03
Nondurable Goods[g]	537.15	530.86	515.27	43.6	43.3	43.3	12.32	12.26	11.90
Food and Kindred Products	487.83	488.99	524.21	42.2	42.3	44.2	11.56	11.56	11.86
Beverages	561.46	561.96	545.69	41.9	42.0	42.4	13.40	13.38	12.87
Apparel and Other Textile Products	250.90	256.70	238.88	37.9	38.2	37.5	6.62	6.72	6.37
Paper and Allied Products	467.67	463.06	459.88	42.4	42.6	42.7	11.03	10.87	10.77
Printing and Publishing	531.65	519.98	470.66	42.6	41.9	40.4	12.48	12.41	11.65
Commercial Printing	571.59	553.67	486.03	45.4	44.4	42.3	12.59	12.47	11.49
Chemicals and Allied Products	688.73	676.01	645.74	46.1	45.8	45.7	14.94	14.76	14.13
Rubber and Miscellaneous Plastics Products	442.53	433.00	409.60	44.7	43.3	42.8	9.90	10.00	9.57
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	586.65	607.65	595.75	39.8	40.7	41.4	14.74	14.93	14.39
Communications	585.49	605.09	603.17	38.8	39.6	41.2	15.09	15.28	14.64
Wholesale Trade	447.54	444.04	430.34	39.5	39.4	39.3	11.33	11.27	10.95
Retail Trade[i]	177.56	179.66	172.87	28.5	28.7	29.4	6.23	6.26	5.88
General Merchandise Stores	223.61	225.88	204.41	30.8	30.9	30.6	7.26	7.31	6.68
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	306.01	306.89	284.28	....	....	....	.....	.....	.....
Commercial Banks	271.59	273.96	259.49	....	....	....	.....	.....	.....
Insurance	.....	.....	.....	....	....	....	.....	.....	.....
Insurance Carriers	417.08	414.65	402.32	....	....	....	.....	.....	.....
Life Insurance	426.80	425.53	412.42	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	426.97	422.65	415.78	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	435.27	439.19	390.08	32.9	32.8	32.0	13.23	13.39	12.19
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	642.80	652.29	627.50	41.1	41.6	40.8	15.64	15.68	15.38

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

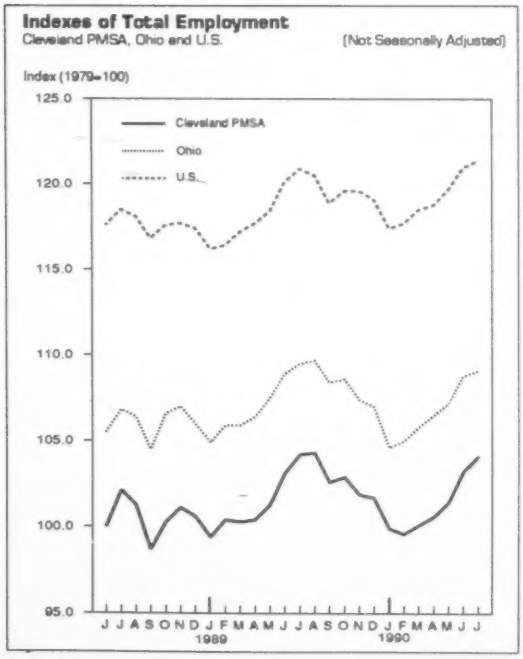
Cleveland Primary Metropolitan Statistical Area

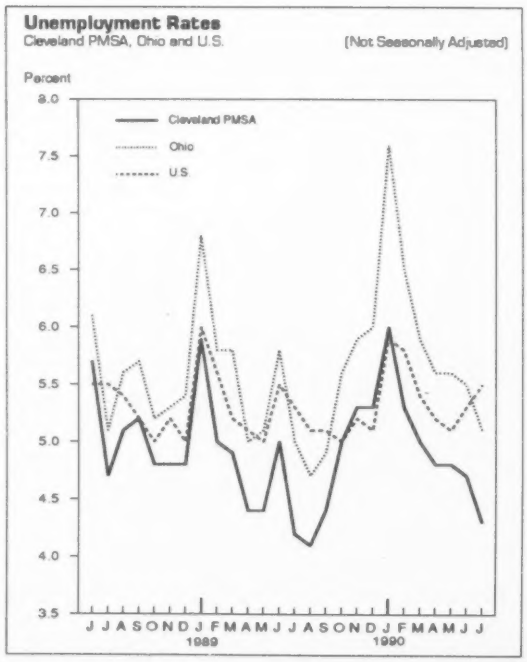


Nonagricultural wage and salary employment in the Cleveland metropolitan area dropped 5,800 below the July level to 960,800 in August 1990. Employment in service-producing industries declined 4,300 as seasonal layoffs in local government overshadowed more business in services. The workforce in goods-producing industries fell 1,500 over the month to 244,100. Production cutbacks in transportation equipment due to fewer orders and a reduction in food and kindred products outweighed modest gains in construction employment. Factory production workers averaged $12.18 per hour, up fractionally from July. Their average workweek of 43.0 hours was 0.6 hours longer.

Total nonfarm payroll employment advanced 19,200 between August 1989 and August 1990. Growth in service-producing industries contributed 96.9 percent of the gain. Significant expansion occurred in services (+9,400) and retail trade (+6,600). Notable improvements were also posted in wholesale trade and finance, insurance, and real estate. Employment in goods-producing industries increased 600 during the period. Moderate gains in construction, especially special trade contractors, more than offset declines in manufacturing. Reductions in industrial machinery and equipment, primary metal industries, and transportation equipment negated improvements in printing and publishing and rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Cleveland area totaled 954,000 in August 1990, down 3,000 from July. Declines in government and manufacturing outweighed gains in wholesale trade and services. Since August 1989, total payroll employment advanced 19,000. Primary growth industries were services and retail trade.





Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	$337.60	42.2	$8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	126.3	496.35	42.9	11.57
936.5	885.0	51.4	5.5	1988	911.3	203.3	131.1	508.65	43.4	11.72
951.7	905.7	46.0	4.8	1989	935.2	207.0	133.3	509.87	43.1	11.83
				1989						
967.4	927.6	39.8	4.1	August	941.6	206.6	132.1	494.49	42.3	11.69
953.8	912.1	41.6	4.4	September	945.9	207.7	133.3	517.65	43.5	11.90
963.3	915.2	48.1	5.0	October	947.7	207.4	133.3	507.94	42.9	11.84
956.2	905.8	50.5	5.3	November	949.2	207.9	133.7	509.98	43.0	11.86
954.9	904.0	50.9	5.3	December	953.5	208.2	133.8	511.70	43.0	11.90
				1990						
945.1	888.0	57.1	6.0	January	926.5	205.6	131.3	495.33	42.3	11.71
935.5	885.7	49.8	5.3	February	928.4	206.6	132.3	502.60	42.2	11.91
936.8	890.1	46.7	5.0	March	936.0	206.1	131.8	522.88	43.0	12.16
939.2	894.4	44.9	4.8	April	947.1	206.7	132.1	498.78	41.6	11.99
947.1	901.5	45.5	4.8	May	958.9	207.2	132.4	531.72	43.3	12.28
962.5	917.2	45.3	4.7	June	969.3	208.1	133.0	534.25	43.4	12.31
967.8	925.7	42.1	4.3	July	966.6	207.3	131.8	514.74	42.4	12.14
INA	INA	INA	INA	August	960.8	205.6	130.4	523.74	43.0	12.18

INA – Information not available

Cleveland PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
920	311	34	276	1979	608	48	66	147	48	182	118
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	223	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	26	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	678	41	64	157	56	243	116
935	241	33	207	1989	694	42	66	159	57	252	118
				1989							
935	241	33	207	August	694	42	67	160	57	253	116
939	241	33	207	September	698	42	67	160	57	253	119
941	241	33	207	October	700	42	67	160	57	253	120
941	241	33	207	November	700	43	67	161	57	254	119
944	242	34	207	December	702	43	67	161	57	255	119
				1990							
945	241	33	207	January	704	43	67	161	58	255	120
949	243	34	208	February	706	43	68	162	57	256	120
952	242	34	207	March	710	43	68	163	58	258	121
954	242	34	208	April	711	43	68	164	58	258	120
957	242	34	207	May	715	43	68	164	58	259	122
958	242	34	207	June	716	43	69	165	58	260	122
957	242	34	207	July	714	43	68	166	58	261	119
954	241	34	206	August	713	43	69	166	58	262	115

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	960.8	966.6	941.6	-5.8	19.2
Goods-Producing Industries[e]	244.1	245.5	243.4	-1.5	.6
Construction	37.6	37.3	36.0	.3	1.6
Special Trade Contractors	25.5	25.5	24.6	.1	.9
Manufacturing	205.6	207.3	206.6	-1.7	-1.0
Durable Goods[f]	140.0	141.5	141.3	-1.5	-1.3
Stone, Clay, and Glass Products	3.8	3.8	3.7	.0	.1
Primary Metal Industries	20.7	20.8	21.3	-.1	-.5
Iron and Steel Foundries	4.1	4.3	4.5	-.1	-.3
Fabricated Metal Products	34.2	34.3	34.0	-.1	.2
Screw Machine Products, Bolts, etc.	4.9	4.9	5.1	.0	-.2
Metal Forgings and Stampings	10.9	11.0	10.7	-.1	.2
Industrial Machinery and Equipment	33.0	33.1	34.2	-.1	-1.2
Metalworking Machinery	13.0	13.2	13.2	-.2	-.2
Electronic and Other Electric Equipment	15.4	15.6	15.1	-.1	.3
Electrical Industrial Apparatus	4.3	4.2	4.3	.0	.0
Electric Lighting and Wiring Equipment	5.0	5.2	5.1	-.1	-.1
Transportation Equipment	18.3	19.2	18.7	-.9	-.4
Motor Vehicles and Equipment	11.3	12.1	11.5	-.8	-.2
Instruments and Related Products	7.1	7.1	7.1	.0	.0
Measuring and Controlling Devices	5.1	5.1	4.9	.0	.2
Nondurable Goods[g]	65.6	65.9	65.2	-.3	.4
Food and Kindred Products	6.1	6.4	6.4	-.3	-.3
Apparel and Other Textile Products	3.1	3.2	3.2	-.1	-.1
Paper and Allied Products	5.8	5.8	6.0	.0	-.2
Printing and Publishing	17.5	17.5	17.1	-.1	.4
Chemicals and Allied Products	15.2	15.2	14.9	.0	.3
Rubber and Miscellaneous Plastics Products	12.0	11.9	11.7	.2	.4
Miscellaneous Plastics Products	7.7	7.5	7.2	.1	.5
Service-Producing Industries	716.8	721.1	698.2	-4.3	18.6
Transportation and Public Utilities	43.4	43.5	42.7	-.1	.7
Transportation	26.6	26.4	25.1	.2	1.5
Trucking and Warehousing	11.9	11.8	11.6	.1	.2
Transportation by Air	5.4	5.4	5.0	.1	.4
Communications, Electric, Gas Services	16.9	17.1	17.6	-.2	-.8
Communications	10.0	10.0	10.3	.0	-.3
Electric, Gas, and Sanitary Services	6.8	7.1	7.3	-.2	-.5
Wholesale Trade	69.2	69.1	67.1	.2	2.1
Wholesale Trade-Durable Goods	47.1	47.1	45.7	.0	1.4
Motor Vehicles, Parts, and Supplies	4.0	4.0	4.2	.0	-.2
Professional and Commercial Equipment	9.2	9.3	9.2	.0	.1
Retail Trade	167.2	166.7	160.6	.6	6.6
General Merchandise Stores	20.9	21.0	20.2	-.1	.7
Finance, Insurance, and Real Estate	58.6	58.6	57.5	.1	1.1
Finance	28.4	28.5	28.0	.0	.5
Depository Institutions	21.1	21.1	20.7	.0	.4
Commercial Banks	13.3	13.3	13.1	.0	.2
Insurance	18.7	18.6	18.5	.1	.2
Insurance Carriers	14.1	14.1	14.0	.1	.2
Fire, Marine, and Casualty Insurance	6.5	6.4	6.3	.1	.2
Services	264.2	263.2	254.9	1.0	9.4
Business Services	55.9	55.6	52.8	.4	3.1
Personnel Supply Services	21.5	21.3	19.9	.2	1.6
Computer and Data Processing Services	7.1	7.2	6.5	.0	.7
Amusements, Including Motion Pictures	13.8	13.5	14.3	.2	-.5
Health Services	80.6	80.3	79.4	.4	1.2
Nursing and Personal Care Facilities	13.9	13.8	13.4	.2	.5
Hospitals	44.1	44.0	44.2	.1	-.1
Legal Services	10.1	10.1	9.7	.0	.4
Educational Services	15.1	15.4	14.1	-.3	1.0
Social Services	14.1	14.0	13.4	.1	.7
Residential Care	4.0	3.9	3.7	.0	.3
Engineering and Management Services	22.7	22.5	21.5	.2	1.2
Engineering and Architectural Services	8.3	8.3	8.0	.0	.3
Accounting, Auditing, and Bookkeeping	6.6	6.5	6.4	.1	.2
Management and Public Relations	4.9	4.9	4.4	.0	.5
Government	114.0	120.1	115.4	-6.1	-1.4
Federal Government	20.5	20.6	20.7	-.1	-.2
State Government	7.5	7.7	7.5	-.2	.0
State Government Education[h]	2.3	2.5	2.3	-.2	.0
Local Government	86.0	91.7	87.2	-5.8	-1.2
Local Government Education	38.3	42.0	40.0	-3.7	-1.7

Hours and Earnings of Production or Nonsupervisory Workers[a]

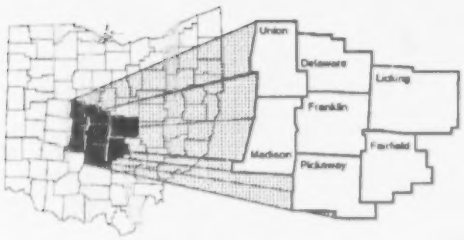
Not Seasonally Adjusted

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Manufacturing	$523.74	$514.74	$494.49	43.0	42.4	42.3	$12.18	$12.14	$11.69
Durable Goods[f]	558.89	546.10	518.38	43.8	43.0	42.7	12.76	12.70	12.14
Stone, Clay, and Glass Products	545.79	489.91	481.22	44.7	41.1	41.2	12.21	11.92	11.68
Primary Metal Industries	533.37	515.59	512.60	44.3	43.4	43.7	12.04	11.88	11.73
Iron and Steel Foundries	849.88	762.10	767.60	47.4	43.9	45.1	17.93	17.36	17.02
Fabricated Metal Products	563.77	530.45	522.28	43.4	42.2	42.6	12.99	12.57	12.26
Screw Machine Products, Bolts, etc.	531.96	539.61	513.46	42.9	43.1	42.4	12.40	12.52	12.11
Metal Forgings and Stampings	724.82	656.86	638.06	45.5	43.3	43.2	15.93	15.17	14.77
Industrial Machinery and Equipment	565.10	548.08	490.98	45.1	44.2	42.0	12.53	12.40	11.69
Metalworking Machinery	512.83	509.07	508.03	42.7	42.6	43.2	12.01	11.95	11.76
Electronic and Other Electric Equipment	425.54	425.08	412.08	40.8	40.6	40.4	10.43	10.47	10.20
Electrical Industrial Apparatus	460.60	466.58	427.91	43.7	44.1	42.2	10.54	10.58	10.14
Electric Lighting and Wiring Equipment	394.75	389.50	379.01	38.4	38.0	38.4	10.28	10.25	9.87
Transportation Equipment	751.06	778.43	706.64	44.6	45.1	44.0	16.84	17.26	16.06
Motor Vehicles and Equipment	836.24	873.18	800.40	45.3	46.2	45.4	18.46	18.90	17.63
Instruments and Related Products	464.67	463.26	428.26	41.9	42.0	41.7	11.09	11.03	10.27
Measuring and Controlling Devices	470.98	463.52	470.01	42.7	42.1	43.6	11.03	11.01	10.78
Nondurable Goods[g]	439.36	436.81	435.94	41.1	40.9	41.4	10.69	10.68	10.53
Food and Kindred Products	456.25	440.43	476.77	40.7	39.5	43.7	11.21	11.15	10.91
Apparel and Other Textile Products	366.42	381.79	336.16	37.2	38.8	35.8	9.85	9.84	9.39
Paper and Allied Products	511.49	513.09	467.08	44.4	44.5	42.5	11.52	11.53	10.99
Printing and Publishing	384.92	373.06	377.48	37.7	36.9	37.9	10.21	10.11	9.96
Chemicals and Allied Products	556.85	546.56	541.51	43.1	42.6	43.6	12.92	12.83	12.42
Rubber and Miscellaneous Plastics Products	372.54	381.97	384.20	42.0	42.3	42.5	8.87	9.03	9.04
Miscellaneous Plastics Products	377.74	396.46	401.28	42.3	43.0	44.0	8.93	9.22	9.12
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	491.74	499.73	455.50	34.9	35.9	33.2	14.09	13.92	13.72
Communications, Electric, Gas Services	630.27	627.59	632.10	40.9	40.7	42.0	15.41	15.42	15.05
Wholesale Trade	467.65	467.27	447.19	39.8	39.7	39.4	11.75	11.77	11.35
Retail Trade[i]	192.77	193.86	184.98	28.1	28.3	27.9	6.86	6.85	6.63
General Merchandise Stores	184.90	185.26	186.40	28.1	27.9	28.2	6.58	6.64	6.61
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	321.45	319.16	318.91	....	....	....	.....	.....	.....
Depository Institutions	294.39	293.50	296.17	....	....	....	.....	.....	.....
Commercial Banks	285.37	285.08	291.13	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	343.81	342.72	322.30	31.6	31.5	31.2	10.88	10.88	10.33
Nursing and Personal Care Facilities	248.49	251.26	215.07	33.9	34.0	32.1	7.33	7.39	6.70
Hospitals	378.83	374.85	358.20	30.9	30.6	30.8	12.26	12.25	11.63

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

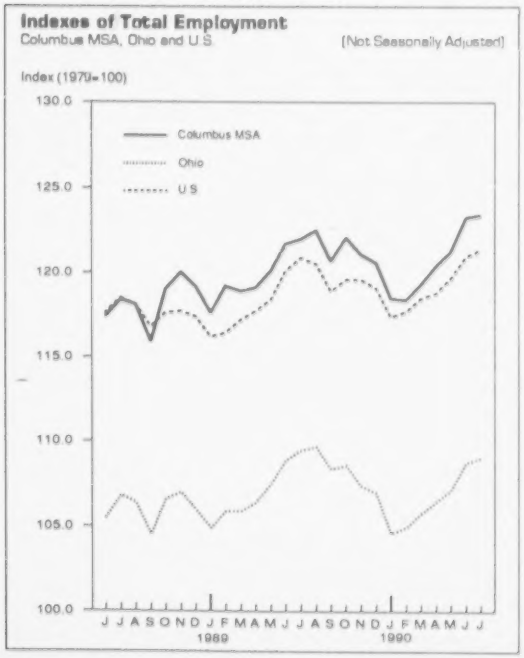
Columbus Metropolitan Statistical Area

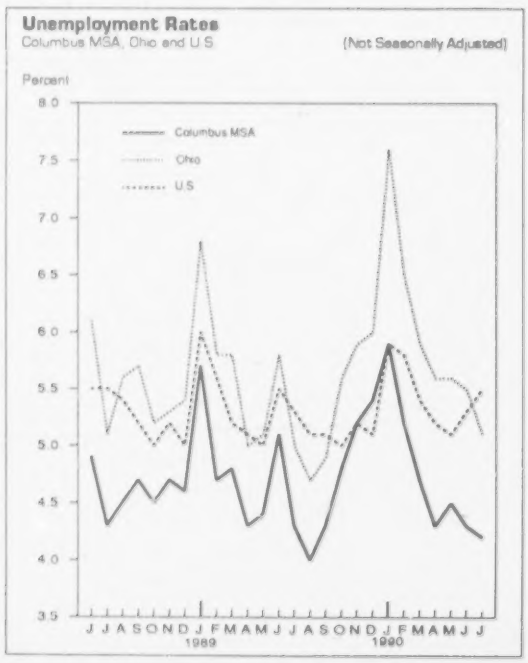


In the Columbus metropolitan area, total nonfarm payroll employment rose 3,400 above the July level to 727,500 in August 1990. The settlement of a labor-management dispute in durable-goods manufacturing, increased production in stone, clay, and glass products, and more business in construction boosted employment in goods-producing industries 2,000 to 139,600. The workforce in service-producing industries added 1,500 jobs over the month. Gains in retail trade more than offset seasonal layoffs of nonteaching personnel in local schools. Manufacturing production workers averaged $12.36 per hour, down 9 cents from July. Their average workweek of 41.7 hours was 0.4 hours shorter.

Nonagricultural wage and salary employment advanced 26,800 between August 1989 and August 1990. Improvements in service-producing industries contributed 92.5 percent of the gain. Leading areas of expansion were services (+8,900) and retail trade (+8,700). Noteworthy growth also occurred in state and local government, wholesale trade, and finance, insurance, and real estate. Employment in goods-producing industries increased 2,000 over the year primarily due to expansion in construction and scattered gains in manufacturing, especially transportation equipment and printing and publishing.

Seasonally adjusted employment in the Columbus area rose 3,000 from July to 731,000 in August 1990. Improvements in manufacturing, retail trade, and services outweighed a decline in government. Since August 1989, total payroll employment advanced 27,000. A major portion of the growth occurred in retail trade (+9,000), services (+9,000), and government (+4,000).





Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.2	676.2	35.0	4.9	1988	680.5	102.6	67.9	479.33	41.5	11.55
730.3	695.6	34.7	4.8	1989	701.7	104.8	69.5	500.82	41.7	12.01
				1989						
736.7	707.5	29.2	4.0	August	700.7	105.2	69.8	496.39	41.4	11.99
728.2	697.0	31.2	4.3	September	706.2	106.1	70.7	504.15	41.7	12.09
740.3	704.9	35.4	4.8	October	712.9	105.5	70.5	512.02	41.9	12.22
737.5	699.1	38.5	5.2	November	716.6	105.9	71.2	519.82	42.4	12.26
736.1	696.2	39.9	5.4	December	718.6	105.2	70.6	525.64	42.7	12.31
				1990						
727.2	684.3	42.9	5.9	January	698.9	103.6	69.0	516.57	42.1	12.27
720.9	683.7	37.2	5.2	February	701.8	104.2	69.5	520.36	42.1	12.36
722.8	689.0	33.8	4.7	March	709.1	104.2	69.8	512.10	41.6	12.31
726.7	695.5	31.2	4.3	April	719.7	104.8	70.2	501.43	40.9	12.26
733.4	700.7	32.7	4.5	May	727.3	104.9	70.1	514.58	41.7	12.34
744.2	712.0	32.2	4.3	June	734.0	105.7	70.6	520.80	42.0	12.40
743.3	712.4	30.9	4.2	July	724.0	104.2	68.9	524.15	42.1	12.45
INA	INA	INA	INA	August	727.5	105.6	70.5	515.41	41.7	12.36

INA – Information not available

Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
558	142	23	118	1979	416	27	29	101	38	109	112
560	135	21	113	1980	425	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	129	22	106	1985	475	26	32	119	49	136	112
631	131	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	29	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
702	135	29	105	1989	567	31	37	143	60	171	125
				1989							
704	135	29	105	August	569	31	37	144	60	172	125
704	135	29	105	September	569	31	37	144	60	173	124
705	135	29	105	October	570	31	37	145	60	173	125
707	135	29	105	November	572	31	37	145	60	174	125
709	135	29	105	December	574	31	37	146	60	174	126
				1990							
710	135	30	104	January	575	31	38	147	61	174	126
712	136	30	105	February	577	31	37	147	61	175	126
717	136	30	105	March	581	31	38	148	61	176	127
721	136	30	105	April	585	32	38	150	61	178	128
724	137	30	105	May	588	32	38	150	61	179	128
727	137	30	106	June	591	32	38	151	61	179	129
728	135	30	104	July	593	31	38	152	61	180	130
731	137	30	105	August	594	31	38	153	61	181	129

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	727.5	724.0	700.7	3.4	26.8
Goods-Producing Industries[e]	139.6	137.6	137.6	2.0	2.0
Construction	33.0	32.5	31.6	.5	1.4
Manufacturing	105.6	104.2	105.2	1.4	.5
Durable Goods[f]	66.1	64.8	66.0	1.3	.1
Stone, Clay, and Glass Products	10.2	9.7	10.0	.5	.2
Glass and Glassware, Pressed or Blown	3.5	3.0	3.5	.5	.0
Fabricated Metal Products	9.5	9.7	9.7	-.1	-.2
Industrial Machinery and Equipment	9.9	9.9	9.7	.0	.2
Electronic and Other Electric Equipment	9.1	9.1	9.4	.0	-.3
Transportation Equipment	14.5	14.4	13.8	.0	.7
Motor Vehicles and Equipment	13.4	13.4	13.1	.0	.3
Instruments and Related Products	4.6	4.7	4.8	-.1	-.2
Nondurable Goods[g]	39.5	39.4	39.1	.1	.4
Food and Kindred Products	11.0	10.9	10.9	.1	.1
Dairy Products	4.4	4.3	4.0	.0	.3
Printing and Publishing	11.0	11.0	10.7	.0	.4
Chemicals and Allied Products	7.0	7.0	7.0	.0	.0
Rubber and Miscellaneous Plastics Products	6.3	6.2	6.2	.1	.1
Service-Producing Industries	587.9	586.4	563.1	1.5	24.8
Transportation and Public Utilities	31.9	31.6	31.1	.2	.8
Transportation	19.5	19.4	18.7	.2	.9
Trucking and Warehousing	14.1	13.9	13.1	.1	1.0
Communications, Electric, Gas Services	12.2	12.2	12.4	.0	-.2
Communications	7.6	7.5	7.8	.0	-.2
Electric, Gas, and Sanitary Services	4.7	4.7	4.6	.0	.1
Wholesale Trade	38.5	38.4	37.1	.1	1.4
Wholesale Trade-Durable Goods	24.7	24.8	24.0	-.1	.8
Motor Vehicles, Parts, and Supplies	3.2	3.2	3.1	.0	.1
Machinery, Equipment, and Supplies	5.6	5.6	5.4	-.1	.1
Wholesale Trade-Nondurable Goods	13.8	13.6	13.1	.2	.6
Retail Trade	152.9	151.1	144.1	1.7	8.7
General Merchandise Stores	21.6	21.2	20.8	.4	.8
Food Stores	17.2	17.3	16.4	-.1	.8
Automotive Dealers and Service Stations	15.3	15.2	14.3	.1	1.0
Finance, Insurance, and Real Estate	61.8	62.0	60.7	-.2	1.1
Finance	24.2	24.2	23.9	.0	.4
Depository Institutions	14.6	14.6	14.6	.0	.0
Commercial Banks	12.5	12.4	12.0	.0	.5
Insurance	28.2	28.3	27.8	-.1	.4
Insurance Carriers	24.2	24.3	23.8	-.1	.4
Services	181.9	181.7	173.0	.2	8.9
Business Services	39.4	39.1	36.7	.3	2.7
Personnel Supply Services	14.8	14.7	13.1	.1	1.7
Health Services	47.3	47.1	45.1	.2	2.2
Nursing and Personal Care Facilities	8.3	8.3	8.1	.1	.2
Hospitals	21.9	21.9	21.0	.0	.9
Legal Services	4.7	4.8	4.5	.0	.2
Educational Services	6.0	6.1	5.4	-.1	.6
Social Services	12.8	12.8	12.5	.0	.3
Engineering and Management Services	18.6	18.6	17.8	.1	.8
Engineering and Architectural Services	4.8	4.7	4.5	.0	.3
Accounting, Auditing, and Bookkeeping	4.1	4.1	4.1	.0	.0
Research and Testing Services	6.4	6.4	6.1	.0	.3
Government	121.0	121.5	117.1	-.6	3.8
Federal Government	16.6	16.4	16.3	.1	.2
State Government	52.7	52.8	50.7	-.1	2.0
State Government Education[h]	19.1	19.2	18.1	-.1	1.0
Local Government	51.7	52.3	50.1	-.6	1.6
Local Government Education	28.6	29.0	27.7	-.4	.8

Hours and Earnings of Production or Nonsupervisory Workers[a]

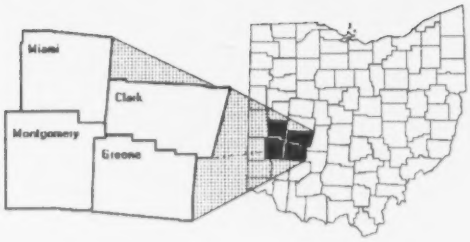
Not Seasonally Adjusted

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Manufacturing	$515.41	$524.15	$496.39	41.7	42.1	41.4	$12.36	$12.45	$11.99
Durable Goods[f]	531.72	542.72	511.24	42.0	42.4	41.7	12.66	12.80	12.26
Stone, Clay, and Glass Products	532.84	538.38	526.36	44.0	43.7	43.9	12.11	12.32	11.99
Glass and Glassware, Pressed or Blown	455.26	478.08	447.20	41.5	41.9	41.6	10.97	11.41	10.75
Fabricated Metal Products	526.49	524.28	499.60	41.1	40.8	40.0	12.81	12.85	12.49
Industrial Machinery and Equipment	488.93	551.62	473.28	41.4	44.2	40.8	11.81	12.48	11.60
Electronic and Other Electric Equipment	510.05	503.47	490.65	41.1	40.8	41.9	12.41	12.34	11.71
Transportation Equipment	627.97	634.23	597.49	43.1	43.5	41.9	14.57	14.58	14.26
Motor Vehicles and Equipment	634.61	642.39	599.59	43.2	43.7	41.9	14.69	14.70	14.31
Instruments and Related Products	428.49	441.25	418.40	40.5	41.2	40.0	10.58	10.71	10.46
Nondurable Goods[g]	484.92	489.29	468.71	41.2	41.5	40.9	11.77	11.79	11.46
Food and Kindred Products	423.46	441.42	406.22	40.6	42.0	40.3	10.43	10.51	10.08
Dairy Products	612.05	616.05	576.45	43.5	45.0	42.2	14.07	13.69	13.66
Printing and Publishing	570.96	569.33	537.04	40.9	40.9	39.2	13.96	13.92	13.70
Chemicals and Allied Products	612.96	614.79	595.82	41.5	41.4	41.9	14.77	14.85	14.22
Rubber and Miscellaneous Plastics Products	394.42	400.44	381.55	41.3	41.8	42.3	9.55	9.58	9.02
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	448.99	455.49	379.73	34.3	35.2	29.3	13.09	12.94	12.96
Communications, Electric, Gas Services	680.60	689.23	617.81	43.6	43.9	42.2	15.61	15.70	14.64
Communications	593.60	595.81	615.50	39.6	39.8	42.1	14.99	14.97	14.62
Electric, Gas, and Sanitary Services	823.28	841.98	620.54	50.2	50.6	42.3	16.40	16.64	14.67
Wholesale Trade	406.95	402.15	390.91	38.5	38.3	38.1	10.57	10.50	10.26
Retail Trade[f]	185.87	185.47	184.90	27.7	27.6	28.8	6.71	6.72	6.42
General Merchandise Stores	209.38	211.12	200.39	28.8	29.2	29.0	7.27	7.23	6.91
Food Stores	193.57	187.00	195.30	28.3	27.5	27.9	6.84	6.80	7.00
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	457.59	458.97	414.95	....	....	....	.....	.....	.....
Depository Institutions	300.26	298.31	275.48	....	....	....	.....	.....	.....
Commercial Banks	298.14	295.08	274.00	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	233.28	240.50	219.72	32.0	32.9	32.6	7.29	7.31	6.74
Hospitals	398.13	404.26	378.25	33.4	34.0	34.2	11.92	11.89	11.06
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	484.82	477.70	465.71	38.6	38.4	39.5	12.56	12.44	11.79

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

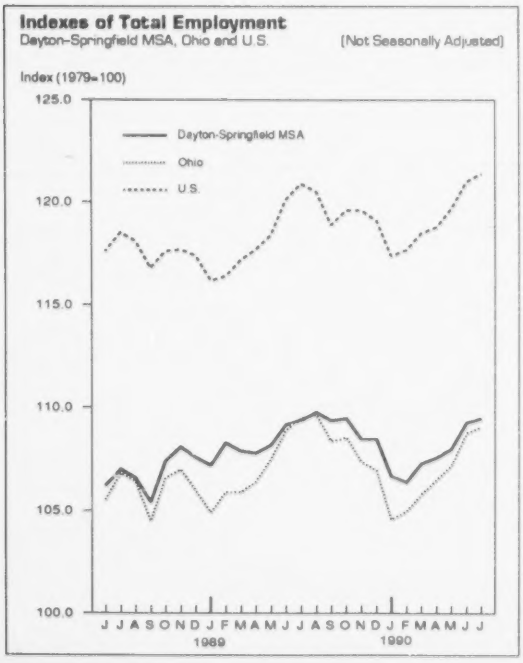
Dayton-Springfield Metropolitan Statistical Area

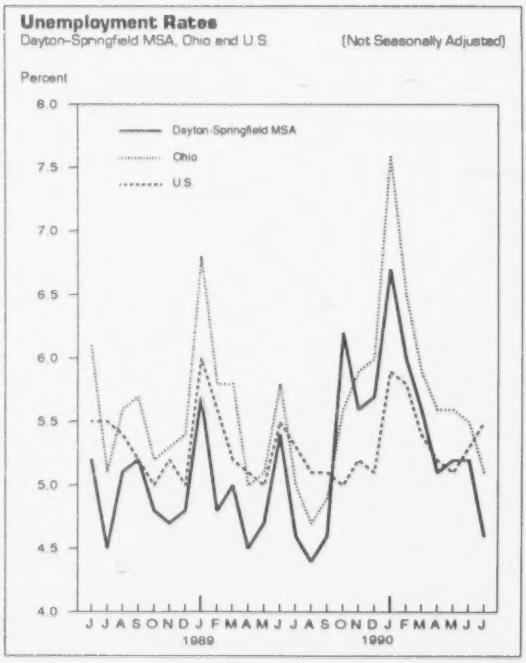


In the Dayton-Springfield metropolitan area, nonfarm payroll employment totaled 457,300 in August 1990, up 1,700 from the July level. Seasonal upturns in services, retail trade, and local and federal government raised employment in service-producing industries 2,400. The workforce in goods-producing industries, at 124,300, lost 700 jobs over the month primarily due to scattered declines in manufacturing. Modest reductions were posted in industrial machinery and equipment, food and kindred products, and rubber and miscellaneous plastics products. Factory production worker average hourly earnings were slightly higher than July at $13.56. Their average workweek of 42.5 hours was 0.3 hours longer.

Nonagricultural wage and salary employment advanced 11,900 between August 1989 and August 1990. The number of employees in the service-producing sector increased 11,800. Leading areas of expansion were services, especially business and health services, local government, retail trade, and transportation and public utilities. Nominal growth in construction offset reductions in manufacturing, raising employment in goods-producing industries 100. Over-the-year production cutbacks in industrial machinery and equipment nearly offset a significant gain in transportation equipment.

Seasonally adjusted employment in the Dayton-Springfield area increased 2,000 from July to 461,000 in August 1990. Improvements in government and transportation and public utilities outweighed declines in construction and manufacturing. Since August 1989, total payroll employment advanced 12,000 primarily due to growth in services, government, and retail trade.





Dayton-Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.91	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
468.2	443.9	24.4	5.2	1988	437.7	105.0	67.5	548.14	43.4	12.63
478.6	454.1	24.4	5.1	1989	448.3	104.5	67.2	555.56	42.9	12.95
				1989						
480.0	459.0	21.0	4.4	August	445.4	104.7	66.7	531.70	41.8	12.72
479.3	457.4	21.9	4.6	September	454.0	105.0	67.4	555.54	42.8	12.98
487.6	457.6	30.0	6.2	October	453.3	101.7	65.1	552.12	42.8	12.90
480.4	453.5	27.0	5.6	November	455.2	102.3	65.8	555.53	42.7	13.01
480.9	453.5	27.3	5.7	December	458.3	104.3	68.0	551.51	42.1	13.10
				1990						
478.5	446.2	32.3	6.7	January	446.3	103.0	66.5	535.30	41.4	12.93
473.4	444.9	28.4	6.0	February	447.1	103.3	66.6	545.02	41.7	13.07
475.1	448.6	26.5	5.6	March	452.1	104.1	67.2	553.92	41.9	13.22
474.2	449.8	24.3	5.1	April	456.1	104.0	67.4	539.23	41.1	13.12
476.5	451.5	25.0	5.2	May	459.6	104.7	68.0	583.08	43.0	13.56
481.9	456.8	25.1	5.2	June	461.5	105.9	68.8	605.68	43.7	13.86
479.6	457.6	22.0	4.6	July	455.6	105.5	68.0	570.54	42.2	13.52
INA	INA	INA	INA	August	457.3	104.7	67.5	576.30	42.5	13.56

INA – Information not available

Dayton-Springfield MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
409	139	16	122	1979	270	16	17	68	16	80	74
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	78	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
448	123	18	105	1989	326	17	21	80	18	114	76
				1989							
449	122	17	105	August	326	18	21	80	18	114	76
450	122	17	104	September	328	18	21	80	18	114	76
448	119	17	101	October	329	18	21	80	18	115	77
449	120	18	102	November	329	18	21	80	18	116	77
453	122	18	104	December	331	18	21	80	18	116	77
				1990							
453	122	18	104	January	330	18	21	81	18	115	78
454	123	18	104	February	331	18	21	81	18	116	77
457	124	18	105	March	333	18	21	82	18	117	78
456	123	18	105	April	333	18	22	82	18	117	77
458	123	18	105	May	335	18	22	82	18	117	78
459	124	18	105	June	335	18	22	82	17	117	78
459	123	18	105	July	336	18	22	82	18	118	78
461	122	17	104	August	338	19	22	82	18	118	80

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton–Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	457.3	455.6	445.4	1.7	11.9
Goods-Producing Industries[e]	124.3	125.0	124.2	-.7	.1
Construction	19.2	19.1	19.0	.1	.2
Manufacturing	104.7	105.5	104.7	-.8	-.1
Durable Goods[f]	74.7	75.4	75.3	-.7	-.5
Fabricated Metal Products	8.5	8.5	8.7	.0	-.2
Industrial Machinery and Equipment	30.6	31.1	32.0	-.5	-1.4
Metalworking Machinery	8.2	8.3	8.7	-.2	-.5
General Industrial Machinery	3.0	3.0	3.0	.0	.0
Electronic and Other Electric Equipment	3.8	3.9	4.1	.0	-.3
Transportation Equipment	23.0	23.0	21.4	.0	1.6
Motor Vehicles and Equipment	19.8	19.9	18.3	.0	1.6
Nondurable Goods[g]	30.0	30.1	29.5	-.1	.5
Food and Kindred Products	2.5	2.7	2.8	-.2	-.3
Paper and Allied Products	6.3	6.2	6.1	.1	.2
Printing and Publishing	9.4	9.4	9.0	.0	.4
Rubber and Miscellaneous Plastics Products	7.5	7.6	7.9	-.2	-.4
Service-Producing Industries	332.9	330.6	321.2	2.4	11.8
Transportation and Public Utilities	18.8	18.6	17.7	.2	1.2
Transportation	12.4	12.2	11.3	.2	1.0
Trucking and Warehousing	6.8	6.9	6.3	-.1	.6
Communications, Electric, Gas Services	6.5	6.4	6.3	.0	.1
Communications	3.5	3.5	3.5	.0	.0
Wholesale Trade	21.5	21.7	21.1	-.1	.4
Wholesale Trade-Durable Goods	14.9	15.1	14.8	-.1	.1
Wholesale Trade-Nondurable Goods	6.6	6.6	6.3	.0	.3
Retail Trade	82.7	82.0	80.2	.7	2.5
General Merchandise Stores	11.5	11.3	11.3	.2	.2
Finance, Insurance, and Real Estate	17.8	17.8	18.1	.0	-.3
Finance	9.5	9.5	9.8	.0	-.3
Depository Institutions	7.2	7.2	7.6	.0	-.3
Insurance	4.4	4.4	4.3	.0	.1
Services	118.2	117.2	113.9	1.0	4.3
Business Services	24.2	23.9	22.3	.3	1.9
Personnel Supply Services	7.1	6.9	6.5	.2	.6
Computer and Data Processing Services	5.6	5.6	4.9	.0	.7
Health Services	39.9	39.8	38.9	.2	1.1
Nursing and Personal Care Facilities	7.2	7.2	7.1	.0	.1
Hospitals	20.3	20.2	19.9	.1	.4
Educational Services	5.3	5.5	5.4	-.2	-.1
Social Services	5.8	5.8	5.8	.0	.0
Engineering and Management Services	10.3	10.2	9.9	.1	.4
Research and Testing Services	3.5	3.5	3.3	.0	.2
Government	73.8	73.2	70.2	.6	3.6
Federal Government	29.0	28.7	29.7	.3	-.8
State Government	6.6	6.7	6.5	-.1	.1
State Government Education[h]	3.5	3.7	3.5	-.1	.0
Local Government	38.3	37.9	34.0	.4	4.3
Local Government Education	21.5	21.2	18.6	.3	2.9

Hours and Earnings of Production or Nonsupervisory Workers[a]

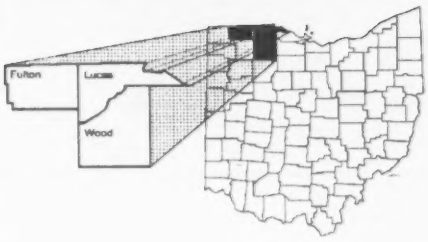
Not Seasonally Adjusted

Dayton–Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Manufacturing	$576.30	$570.54	$531.70	42.5	42.2	41.8	$13.56	$13.52	$12.72
Durable Goods[f]	603.50	590.01	549.02	43.2	42.6	42.2	13.97	13.85	13.01
Fabricated Metal Products	408.78	395.69	394.83	41.5	40.5	41.0	9.85	9.77	9.63
Industrial Machinery and Equipment	618.25	598.77	587.38	43.6	42.8	43.0	14.18	13.99	13.66
Metalworking Machinery	627.70	579.44	591.28	46.6	44.3	45.8	13.47	13.08	12.91
General Industrial Machinery	509.65	501.73	494.94	42.9	42.7	43.8	11.88	11.75	11.30
Electronic and Other Electric Equipment	373.85	387.82	370.94	42.1	42.9	42.2	8.88	9.04	8.79
Transportation Equipment	761.52	752.48	679.00	44.3	43.8	42.2	17.19	17.18	16.09
Motor Vehicles and Equipment	775.67	762.56	680.88	44.4	43.8	41.9	17.47	17.41	16.25
Nondurable Goods[g]	500.61	512.50	481.89	40.7	41.0	40.7	12.30	12.50	11.84
Food and Kindred Products	343.78	337.74	348.88	39.2	39.0	40.9	8.77	8.66	8.53
Paper and Allied Products	500.53	490.16	492.06	43.6	43.3	43.7	11.48	11.32	11.26
Printing and Publishing	455.90	460.60	469.17	38.8	39.3	40.1	11.75	11.72	11.70
Rubber and Miscellaneous Plastics Products	635.77	695.93	606.45	39.1	41.4	38.9	16.26	16.81	15.59
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	559.80	570.04	589.38	39.9	40.4	41.8	14.03	14.11	14.10
Communications	572.63	575.48	595.06	40.1	40.3	41.7	14.28	14.28	14.27
Wholesale Trade	399.17	394.02	398.20	39.6	39.6	39.9	10.08	9.95	9.98
Retail Trade[i]	177.89	179.47	170.46	28.6	28.9	28.6	6.22	6.21	5.96
General Merchandise Stores	183.21	187.41	174.65	28.1	28.7	27.9	6.52	6.53	6.26
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	277.10	270.29	267.60	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	422.81	421.26	386.66	34.6	34.7	34.4	12.22	12.14	11.24

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

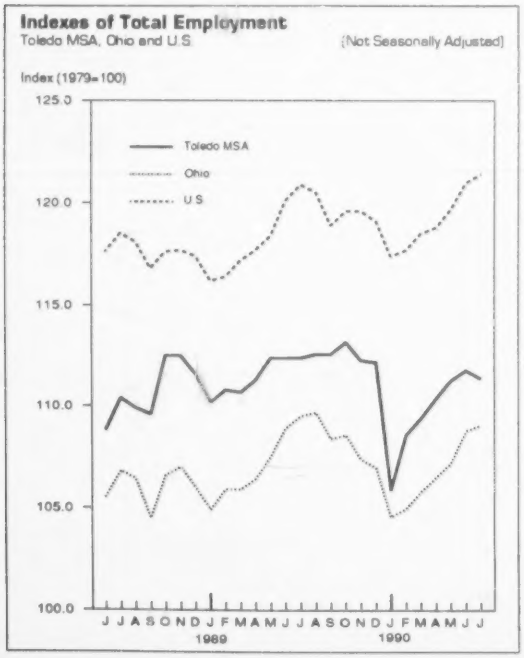
Toledo Metropolitan Statistical Area

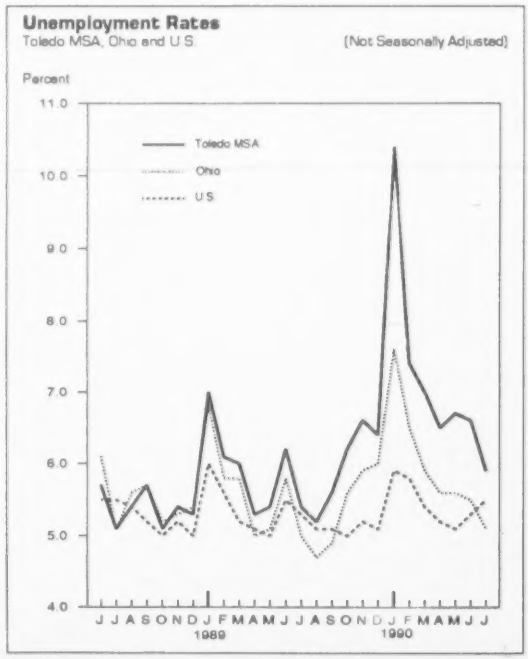


Nonfarm wage and salary employment in the Toledo metropolitan area totaled 295,000 in August 1990, down 200 from the July level. Seasonal reductions in state and local government outweighed modest increases in retail trade, lowering employment in service-producing industries 400. Slight growth in construction raised the workforce in goods-producing industries 200 over the month to 73,900. Manufacturing employment was unchanged as scattered declines among producers of durable goods, especially fabricated metal products, offset improvements in nondurable goods. Factory production workers averaged $13.58 per hour, up 12 cents from July. Their average workweek of 42.9 hours was 0.1 hours longer.

Nonagricultural payroll employment advanced 4,900 between August 1989 and August 1990. Employment in service-producing industries increased 5,700. Leading areas of expansion were services (+2,400) and retail trade (+2,000). The workforce in goods-producing industries decreased 800 during the period. Over-the-year reductions in manufacturing overshadowed modest growth in construction. Noteworthy cutbacks occurred in transportation equipment, stone, clay, and glass products, and rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Toledo area was unchanged from the July level at 298,000 in August 1990. Since August 1989, total payroll employment advanced 5,000 primarily due to growth in retail trade, services, government, and construction. Manufacturing employment declined 2,000 during the period.





Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
311.0	292.7	18.2	5.9	1988	286.6	62.7	44.9	566.78	43.2	13.12
317.9	299.0	18.9	5.9	1989	293.7	61.6	44.0	576.81	43.5	13.26
				1989						
317.4	301.0	16.4	5.2	August	290.1	61.6	44.0	575.92	43.4	13.27
318.6	300.8	17.8	5.6	September	296.6	61.3	43.9	565.04	43.1	13.11
322.6	302.5	20.0	6.2	October	298.1	60.1	42.8	580.32	43.6	13.31
321.1	300.0	21.1	6.6	November	299.3	60.3	42.9	586.94	43.9	13.37
320.3	299.7	20.6	6.4	December	300.7	60.4	43.1	565.02	43.0	13.14
				1990						
315.8	283.0	32.8	10.4	January	281.2	51.1	34.3	522.88	42.1	12.42
313.2	290.2	23.0	7.4	February	289.9	59.2	42.3	551.34	41.8	13.19
314.3	292.3	22.0	7.0	March	292.7	59.0	42.3	588.60	43.6	13.50
315.5	295.1	20.4	6.5	April	297.1	59.9	43.2	581.79	43.0	13.53
318.8	297.5	21.3	6.7	May	300.1	59.6	42.9	589.37	43.4	13.58
319.9	298.7	21.2	6.6	June	299.4	60.3	43.3	585.90	43.4	13.50
316.3	297.7	18.6	5.9	July	295.2	60.0	43.1	576.09	42.8	13.46
INA	INA	INA	INA	August	295.0	60.0	43.2	582.58	42.9	13.58

INA – Information not available

Toledo MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
268	88	10	77	1979	180	18	14	47	9	53	39
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	44	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
294	74	12	62	1989	220	14	16	59	12	76	43
				1989							
293	73	12	61	August	220	14	16	59	12	77	43
294	72	12	60	September	221	14	16	59	12	77	43
293	72	12	60	October	221	14	16	59	12	77	43
294	72	12	60	November	222	15	16	59	12	77	44
296	73	12	60	December	223	15	16	59	12	77	44
				1990							
286	64	12	52	January	222	15	16	60	12	76	43
295	72	12	60	February	223	15	16	60	12	77	44
296	72	12	59	March	224	15	16	60	12	77	44
297	73	13	60	April	224	15	16	60	12	78	44
298	73	13	60	May	225	15	16	60	12	78	44
299	73	13	60	June	226	15	16	61	12	78	44
298	73	13	60	July	225	14	16	60	12	79	43
298	72	13	59	August	226	14	16	61	12	79	44

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	295.0	295.2	290.1	-.2	4.9
Goods-Producing Industries[e]	73.9	73.7	74.7	.2	-.8
Construction	13.6	13.4	12.7	.2	.9
Manufacturing	60.0	60.0	61.6	.0	-1.7
Durable Goods[f]	44.7	45.0	45.6	-.3	-.9
Stone, Clay, and Glass Products	7.7	7.7	8.0	.0	-.3
Primary Metal Industries	3.6	3.5	3.4	.2	.2
Fabricated Metal Products	7.1	7.4	7.1	-.3	.0
Metal Forgings and Stampings	2.4	2.6	2.8	-.2	-.4
Industrial Machinery and Equipment	5.7	5.7	5.9	-.1	-.2
Transportation Equipment	13.8	13.8	14.6	-.1	-.8
Nondurable Goods[g]	15.2	15.0	16.0	.2	-.8
Food and Kindred Products	3.9	3.8	4.1	.1	-.2
Rubber and Miscellaneous Plastics Products	4.1	4.1	4.3	.0	-.3
Service-Producing Industries	221.1	221.5	215.4	-.4	5.7
Transportation and Public Utilities	14.7	14.8	14.6	.0	.2
Transportation	9.7	9.8	9.6	-.1	.2
Communications, Electric, Gas Services	5.0	5.0	5.0	.0	.0
Wholesale Trade	16.3	16.5	15.9	-.1	.5
Wholesale Trade-Durable Goods	10.9	10.9	10.5	-.1	.4
Wholesale Trade-Nondurable Goods	5.5	5.5	5.4	-.1	.1
Retail Trade	60.9	60.3	58.9	.6	2.0
General Merchandise Stores	8.2	8.1	8.2	.1	.0
Finance, Insurance, and Real Estate	12.2	12.1	12.2	.0	-.1
Finance	6.3	6.3	6.4	.0	-.1
Insurance	3.7	3.7	3.7	.0	.0
Services	79.6	79.6	77.1	-.1	2.4
Business Services	14.2	14.2	13.8	.0	.4
Personnel Supply Services	5.5	5.5	5.5	.0	.0
Health Services	27.9	28.0	27.8	.0	.1
Nursing and Personal Care Facilities	4.2	4.2	4.2	.0	.0
Hospitals	15.2	15.2	15.2	.0	-.1
Engineering and Management Services	6.6	6.6	6.1	.0	.5
Government	37.4	38.2	36.7	-.8	.6
Federal Government	2.9	2.9	2.7	.0	.3
State Government	12.6	13.2	12.2	-.6	.4
State Government Education[h]	8.1	8.7	7.9	-.5	.2
Local Government	21.9	22.1	21.8	-.2	.0
Local Government Education	11.4	11.4	11.3	.0	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

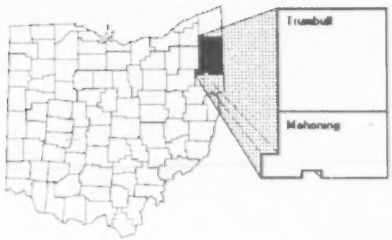
Not Seasonally Adjusted

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Manufacturing	$582.58	$576.09	$575.92	42.9	42.8	43.4	$13.58	$13.46	$13.27
Durable Goods[f]	591.16	582.00	580.13	42.9	42.7	43.1	13.78	13.63	13.46
Stone, Clay, and Glass Products	539.57	540.33	530.88	43.2	43.4	44.8	12.49	12.45	11.85
Primary Metal Industries	503.30	524.96	484.50	43.5	45.1	42.8	11.57	11.64	11.32
Fabricated Metal Products	522.22	489.72	464.63	43.7	42.4	41.3	11.95	11.55	11.25
Metal Forgings and Stampings	760.70	661.99	640.90	44.8	41.4	42.5	16.98	15.99	15.08
Industrial Machinery and Equipment	484.04	510.41	491.42	41.3	43.0	42.4	11.72	11.87	11.59
Transportation Equipment	758.04	735.91	755.17	42.9	42.1	44.5	17.67	17.48	16.97
Nondurable Goods[g]	553.83	556.85	559.57	42.8	43.1	44.2	12.94	12.92	12.66
Food and Kindred Products	664.76	704.05	689.22	45.5	47.7	48.4	14.61	14.76	14.24
Rubber and Miscellaneous Plastics Products	376.18	380.69	384.91	40.8	41.2	43.2	9.22	9.24	8.91
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	633.77	638.69	611.95	40.6	41.1	41.8	15.61	15.54	14.64
Wholesale Trade	411.05	413.52	406.61	39.6	39.8	40.1	10.38	10.39	10.14
Retail Trade[i]	165.78	169.46	165.05	27.0	27.6	27.6	6.14	6.14	5.98
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	353.82	355.11	343.44	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor- management disputes.

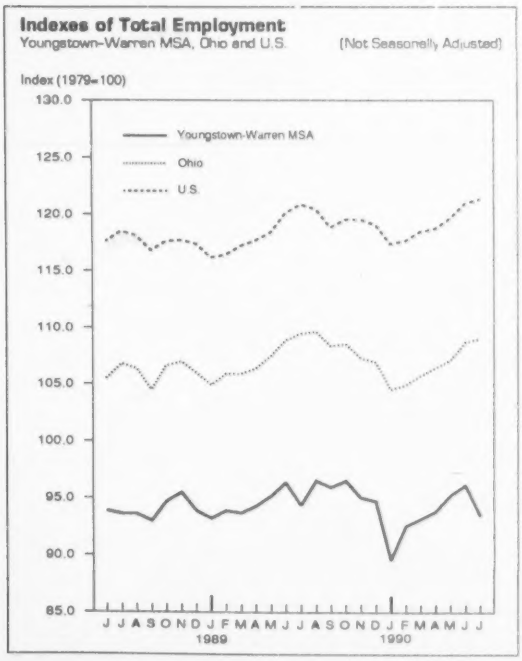
Youngstown-Warren Metropolitan Statistical Area

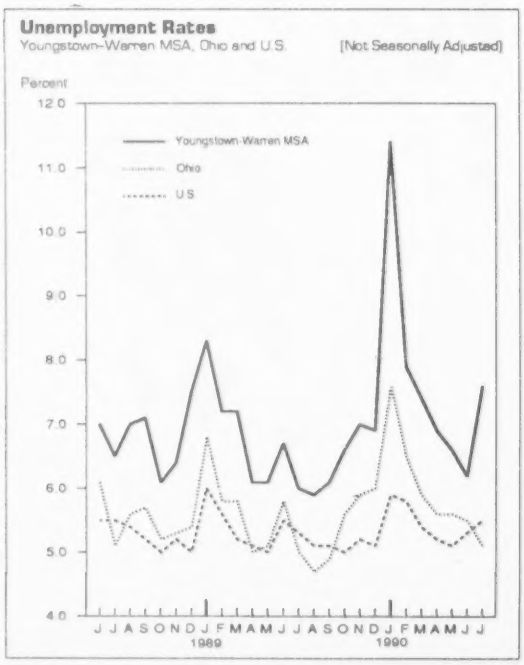


Nonagricultural payroll employment in the Youngstown-Warren metropolitan area rose 4,900 above the July level to 201,300 in August 1990. Increases in manufacturing primarily due to the return of employees from temporary shutdowns for model changeovers in transportation equipment boosted employment in goods-producing industries 5,000 to 57,900. Slight declines in services lowered the workforce in service-producing industries 100 over the month. Manufacturing production workers averaged $14.50 per hour, up 14 cents from July. Their average workweek of 42.0 hours was 0.1 hours shorter.

Nonfarm wage and salary employment advanced 3,500 between August 1989 and August 1990. The improvement was concentrated in the service-producing sector. Noteworthy expansion occurred in retail trade (+1,300), services (+1,300), and wholesale trade (+1,000). Over-the-year reductions in durable-goods manufacturing, particularly transportation equipment, lowered employment in goods-producing industries 800.

Seasonally adjusted employment in the Youngstown-Warren area increased 5,000 from July to 202,000 in August 1990. A majority of the gain was posted in manufacturing. Since August 1989, total payroll employment advanced 3,000. Growth in retail trade, wholesale trade, services, and government outweighed a reduction in manufacturing.





Youngstown-Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	$377.29	40.7	$9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
221.3	204.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
223.9	209.0	15.0	6.7	1989	198.1	50.0	37.8	599.63	42.8	14.01
				1989						
225.8	212.5	13.3	5.9	August	197.8	49.5	37.3	590.10	42.0	14.05
225.0	211.2	13.8	6.1	September	201.0	50.2	38.1	618.88	43.4	14.26
227.5	212.5	15.0	6.6	October	202.2	50.0	37.9	617.46	43.3	14.26
224.9	209.1	15.8	7.0	November	201.3	49.7	37.6	617.58	43.4	14.23
224.0	208.5	15.5	6.9	December	202.1	49.6	37.2	596.71	42.2	14.14
				1990						
222.3	197.0	25.3	11.4	January	189.0	41.5	29.2	579.83	42.2	13.74
221.0	203.7	17.4	7.9	February	196.2	49.2	36.9	591.63	41.9	14.12
221.3	205.0	16.3	7.4	March	198.2	49.3	37.0	596.24	41.9	14.23
221.7	206.5	15.2	6.9	April	200.8	49.3	37.1	602.45	42.1	14.31
224.2	209.5	14.7	6.6	May	204.4	49.8	37.5	628.72	43.3	14.52
225.7	211.6	14.1	6.2	June	205.0	50.1	37.8	636.08	43.3	14.69
222.4	205.5	16.9	7.6	July	196.4	43.6	31.2	604.56	42.1	14.36
INA	INA	INA	INA	August	201.3	48.3	35.9	609.00	42.0	14.50

INA – Information not available

Youngstown-Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
214	87	7	80	1979	127	10	8	38	7	37	26
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
198	58	8	50	1989	140	8	11	42	9	46	24
				1989							
199	58	8	50	August	140	8	11	42	9	47	24
199	58	8	50	September	141	8	11	42	9	47	24
200	58	8	49	October	142	8	11	43	9	47	25
199	57	8	49	November	142	8	11	42	9	47	24
200	58	8	50	December	142	8	12	42	9	47	24
				1990							
193	50	8	42	January	143	8	12	43	9	47	25
201	58	8	50	February	143	8	12	43	9	47	24
201	58	8	49	March	143	8	12	43	9	48	24
201	58	8	49	April	144	8	12	43	9	48	24
202	58	8	50	May	144	8	12	43	9	48	25
202	58	8	50	June	144	8	12	43	9	48	24
197	53	8	45	July	144	8	12	43	9	48	25
202	57	8	49	August	145	8	12	44	9	48	25

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	201.3	196.4	197.8	4.9	3.5
Goods-Producing Industries[e]	57.9	52.9	58.7	5.0	-.8
Construction	9.0	8.7	8.8	.3	.3
Manufacturing	48.3	43.6	49.5	4.7	-1.2
Durable Goods[f]	43.0	38.4	44.2	4.6	-1.3
Primary Metal Industries	18.2	17.9	18.2	.3	-.1
Blast Furnace and Basic Steel Products	6.0	6.0	6.1	.0	-.2
Fabricated Metal Products	7.4	7.3	7.1	.1	.2
Metal Forgings and Stampings	3.9	3.9	3.5	.0	.3
Industrial Machinery and Equipment	4.2	4.2	4.4	.0	-.1
Transportation Equipment	8.2	4.0	9.2	4.2	-1.0
Nondurable Goods[g]	5.3	5.2	5.2	.1	.1
Service-Producing Industries	143.4	143.5	139.1	-.1	4.3
Transportation and Public Utilities	8.0	7.9	7.8	.1	.1
Wholesale Trade	12.0	12.0	11.0	.0	1.0
Wholesale Trade-Durable Goods	7.4	7.4	7.1	.0	.3
Wholesale Trade-Nondurable Goods	4.6	4.6	4.0	.0	.7
Retail Trade	44.0	43.9	42.7	.1	1.3
General Merchandise Stores	5.2	5.2	5.3	-.1	-.1
Finance, Insurance, and Real Estate	8.8	8.8	8.8	.0	.0
Finance	4.8	4.8	4.8	.0	.0
Services	48.5	48.8	47.1	-.3	1.3
Health Services	21.5	21.5	21.3	-.1	.2
Nursing and Personal Care Facilities	4.9	5.0	4.7	.0	.2
Hospitals	10.8	10.8	10.9	-.1	-.2
Government	22.2	22.1	21.6	.1	.6
State Government	3.3	3.5	3.4	-.1	-.1
State Government Education[h]	1.7	1.9	1.8	-.1	-.1
Local Government	16.7	16.5	16.1	.2	.6
Local Government Education	9.8	9.5	9.3	.2	.5

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Manufacturing	$609.00	$604.56	$590.10	42.0	42.1	42.0	$14.50	$14.36	$14.05
Durable Goods[f]	625.61	619.29	605.40	42.1	42.1	42.1	14.86	14.71	14.38
Primary Metal Industries	686.38	690.26	655.52	42.5	42.9	41.7	16.15	16.09	15.72
Blast Furnace and Basic Steel Products	665.42	662.63	625.14	46.5	46.5	45.3	14.31	14.25	13.80
Fabricated Metal Products	592.20	598.33	587.77	42.0	41.9	43.7	14.10	14.28	13.45
Metal Forgings and Stampings	696.21	715.28	681.65	42.4	42.5	43.5	16.42	16.83	15.67
Industrial Machinery and Equipment	505.53	502.25	514.31	41.1	40.8	42.4	12.30	12.31	12.13
Transportation Equipment	687.74	702.41	664.60	43.5	44.4	43.1	15.81	15.82	15.42
Nondurable Goods[g]	440.23	463.70	427.99	40.8	41.7	40.8	10.79	11.12	10.49
Wholesale Trade	384.90	377.30	377.33	38.8	38.5	38.9	9.92	9.80	9.70
Retail Trade[i]	183.48	182.27	186.41	27.8	27.7	28.9	6.60	6.58	6.45
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	231.02	225.26	216.57	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Minor Metropolitan Areas

Hamilton–Middletown PMSA
Total nonagricultural payroll employment in the Hamilton-Middletown metropolitan area rose 300 from July to 94,100 in August 1990. Modest gains in durable-goods manufacturing, especially primary metal industries, and improvements in construction and mining increased employment in goods-producing industries 300 to 27,900. Employment in the service-producing sector was unchanged over the month as more business in retail trade offset declines in wholesale trade. Manufacturing production workers averaged $13.95 per hour, up 4 cents from July. Their average workweek of 45.7 hours was 0.1 hours longer. Nonfarm wage and salary employment advanced 1,100 between August 1989 and August 1990. Service-producing industries added 1,400 jobs. Notable gains were posted in services, particularly health services, retail trade, and state government. Employment in goods-producing industries declined 200. Over-the-year reductions in manufacturing outweighed growth in construction and mining. Employment declined in paper and allied products and primary metal industries.

Lima MSA
Nonagricultural payroll employment in the Lima metropolitan area totaled 75,300 in August 1990, down 300 from July. Goods-producing industries, at 26,800, lost 400 jobs. Declines in manufacturing, particularly industrial machinery and equipment and transportation equipment, negated nominal gains in construction and mining. Scattered increases raised employment in service-producing industries 100. Manufacturing production workers averaged $13.15 per hour, down 8 cents from July. Their average workweek was 0.1 hours longer at 41.8 hours. Nonfarm wage and salary employment advanced 1,900 between August 1989 and August 1990. The improvement was concentrated in the service-producing sector. Noteworthy expansion occurred in retail trade, services, especially health services, and transportation and public utilities. The workforce in goods-producing industries declined 200 over the year as decreased production in manufacturing outweighed modest growth in construction and mining. Reductions in transportation equipment outweighed slight increases in fabricated metal products and food and kindred products.

Lorain–Elyria PMSA
In the Lorain-Elyria metropolitan area, nonfarm wage and salary employment increased 500 from July to 94,000 in August 1990. Modest growth in manufacturing, especially transportation equipment, raised employment in goods-producing industries 300 to 33,400. The service-producing sector added 100 jobs due to scattered increases. Factory production workers averaged $13.48 per hour, up 6 cents from July. Their average workweek was 0.6 hours longer at 42.8 hours. Nonagricultural payroll employment advanced 1,400 between August 1989 and August 1990. Notable improvements in retail trade, services, government, and transportation and public utilities increased employment in service-producing industries 1,800. Employment in goods-producing industries dropped 500 over the year. Reduced production in durable-goods manufacturing, particularly transportation equipment, outweighed modest growth in construction and mining.

Mansfield MSA
Nonfarm wage and salary employment in the Mansfield metropolitan area totaled 59,900 in August 1990, down 300 from July. Reductions in durable-goods manufacturing, particularly fabricated metal products and electronic and other electric equipment, lowered employment in goods-producing industries 300 to 20,300. Employment in the service-producing sector was unchanged over the month. More business in retail trade counterbalanced declines in services. Manufacturing production workers averaged $13.53 per hour, up fractionally from July. Their average workweek was unchanged at 41.5 hours. Nonagricultural payroll employment declined 300 between August 1989 and August 1990. Employment in goods-producing industries dropped 1,000 over the year. Reduced production in durable-goods manufacturing, especially electronic and other electric equipment, negated marginal growth in construction and mining. Expansion in retail trade helped increase employment in service-producing industries 700.

Steubenville–Weirton MSA
Nonagricultural payroll employment in the Steubenville-Weirton metropolitan area totaled 53,200 in August 1990, down 100 from July. The service-producing sector lost 100 jobs. Declines in services counterbalanced seasonal gains in retail trade. Employment in goods-producing industries was unchanged at 20,600. Nominal growth in construction was offset by reductions in manufacturing. Factory production workers averaged $11.67 per hour, down fractionally from July. Their average workweek was unchanged at 44.1 hours. Nonfarm wage and salary employment advanced 1,500 between August 1989 and August 1990. Service-producing industries contributed 86.7 percent of the improvement. Noteworthy expansion occurred in services (+600) and retail trade (+500). The workforce in goods-producing industries increased 200 over the year. Modest growth in construction outweighed production cutbacks in durable-goods manufacturing, especially primary metal industries.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	129.4	129.5	131.9	-.1	-2.5
Employment	122.7	121.6	125.3	1.0	-2.7
Unemployment	6.8	7.9	6.6	-1.1	.2
Unemployment Rate	5.2	6.1	5.0		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	93.4	94.0	93.1	-.6	.2
Goods–Producing Industries	27.6	27.7	28.3	-.1	-.7
Construction and Mining	6.3	6.3	5.9	.0	.5
Manufacturing	21.3	21.3	22.4	-.1	-1.2
Durable Goods	14.6	14.7	15.5	-.1	-.8
Primary Metal Industries	6.6	6.6	6.9	-.1	-.4
Fabricated Metal Products	2.4	2.5	2.5	-.1	-.1
Industrial Machinery and Equipment	2.4	2.4	2.4	.0	.0
Nondurable Goods	6.6	6.6	7.0	.0	-.3
Paper and Allied Products	4.7	4.6	5.0	.0	-.3
Paper Mills	3.5	3.4	3.8	.0	-.3
Service–Producing Industries	65.8	66.3	64.8	-.5	.9
Transportation and Public Utilities	3.5	3.5	3.3	.0	.2
Wholesale Trade	5.8	5.8	5.7	.1	.2
Wholesale Trade–Durable Goods	4.0	3.9	3.9	.1	.1
Retail Trade	17.9	17.9	17.6	.0	.3
Food Stores	3.0	3.0	3.2	.1	-.2
Finance, Insurance, and Real Estate	4.7	4.7	4.8	.0	-.2
Services	20.2	20.1	19.5	.0	.7
Health Services	8.5	8.5	8.1	.1	.4
Government	13.7	14.3	13.9	-.6	-.2
State Government	3.5	3.7	3.5	-.2	.0
Local Government	9.6	9.9	9.8	-.3	-.2
Local Government Education	6.0	6.4	6.0	-.4	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Manufacturing	$635.69	$653.33	$604.27	45.7	46.5	45.4	$13.91	$14.05	$13.31
Durable Goods	659.27	686.83	616.06	46.2	47.4	45.6	14.27	14.49	13.51
Primary Metal Industries	773.33	816.08	738.46	49.1	50.5	49.1	15.75	16.16	15.04
Fabricated Metal Products	487.63	519.96	471.11	40.2	42.0	40.3	12.13	12.38	11.69
Industrial Machinery and Equipment	630.50	653.87	633.91	48.5	49.8	48.8	13.00	13.13	12.99
Nondurable Goods	580.65	571.03	571.71	44.7	44.3	44.7	12.99	12.89	12.79
Paper and Allied Products	603.13	593.43	600.44	45.9	45.3	45.8	13.14	13.10	13.11
Paper Mills	602.52	602.99	622.17	45.2	45.1	46.5	13.33	13.37	13.38
Wholesale Trade	433.65	443.92	427.91	41.3	41.8	42.2	10.50	10.62	10.14
Retail Trade[f]	178.13	178.23	167.61	28.5	28.7	28.7	6.25	6.21	5.84

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[f]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	80.8	80.3	80.8	.5	.0
Employment	76.2	75.1	76.1	1.1	.1
Unemployment	4.6	5.1	4.7	-.6	-.1
Unemployment Rate	5.6	6.4	5.8		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	76.0	75.9	73.4	.0	2.5
Goods-Producing Industries	27.2	27.1	26.9	.1	.2
Construction and Mining	3.8	3.7	3.5	.1	.3
Manufacturing	23.4	23.4	23.4	.0	-.1
Durable Goods	17.0	17.1	17.2	-.1	-.2
Fabricated Metal Products	2.8	2.8	2.5	.0	.3
Industrial Machinery and Equipment	4.3	4.3	4.1	.0	.2
Transportation Equipment	7.2	7.3	7.7	-.1	-.5
Motor Vehicles and Equipment	3.5	3.6	3.5	-.1	.0
Nondurable Goods	6.4	6.3	6.2	.1	.2
Food and Kindred Products	2.0	1.9	1.9	.1	.1
Rubber and Miscellaneous Plastics Products	2.1	2.1	2.0	.0	.0
Service-Producing Industries	48.8	48.8	46.5	-.1	2.3
Transportation and Public Utilities	3.4	3.3	3.1	.1	.3
Wholesale Trade	3.5	3.5	3.5	.0	.0
Retail Trade	15.2	15.1	14.1	.1	1.1
General Merchandise Stores	2.2	2.2	2.0	.0	.2
Finance, Insurance, and Real Estate	2.1	2.1	2.1	.0	.0
Services	15.1	15.0	14.4	.1	.7
Health Services	6.6	6.6	6.1	.0	.5
Hospitals	3.1	3.2	2.9	.0	.2
Government	9.5	9.8	9.3	-.3	.2
Local Government	7.1	7.2	6.9	-.2	.2
Local Government Education	4.1	4.3	3.9	-.2	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lima MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Manufacturing	$554.76	$558.67	$552.08	41.9	42.1	42.5	$13.24	$13.27	$12.99
Durable Goods	550.44	554.34	545.58	41.7	41.9	42.0	13.20	13.23	12.99
Fabricated Metal Products	352.48	370.18	351.55	40.1	41.5	39.5	8.79	8.92	8.90
Industrial Machinery and Equipment	449.86	439.88	472.12	39.6	39.1	40.7	11.36	11.25	11.60
Transportation Equipment	706.49	711.94	565.68	43.0	43.2	42.4	16.43	16.48	15.70
Motor Vehicles and Equipment	820.73	848.18	747.16	46.5	47.2	44.5	17.65	17.97	16.79
Nondurable Goods	570.95	569.50	569.84	42.8	42.5	43.8	13.34	13.40	13.01
Food and Kindred Products	384.19	370.87	377.01	41.4	40.4	42.6	9.28	9.18	8.85
Rubber and Miscellaneous Plastics Products	626.04	633.86	613.08	46.1	46.2	46.8	13.58	13.72	13.10
Wholesale Trade	369.19	364.22	370.17	38.1	37.9	38.6	9.69	9.61	9.59
Retail Trade[j]	190.95	191.14	178.20	30.7	30.1	29.8	6.22	6.35	5.98
General Merchandise Stores	169.20	171.88	167.82	28.2	27.5	27.2	6.00	6.25	6.17

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [j]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	119.2	120.2	120.8	-1.1	-1.6
Employment	112.2	112.7	113.7	-.5	-1.5
Unemployment	7.0	7.6	7.1	-.6	-.1
Unemployment Rate	5.9	6.3	5.9		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	93.7	95.5	92.6	-1.7	1.1
Goods–Producing Industries	33.1	32.8	33.8	.3	-.7
Construction and Mining	4.7	4.5	4.5	.2	.3
Manufacturing	28.3	28.3	29.3	.0	-1.0
Durable Goods	23.6	23.5	24.7	.0	-1.2
Primary Metal Industries	4.3	4.4	4.4	.0	.0
Fabricated Metal Products	4.2	4.2	4.3	.0	-.1
Transportation Equipment	7.7	7.7	8.4	.0	-.7
Nondurable Goods	4.8	4.8	4.6	.0	.2
Service–Producing Industries	60.6	62.7	58.8	-2.0	1.8
Transportation and Public Utilities	3.4	3.6	3.2	-.1	.2
Wholesale Trade	2.4	2.5	2.5	.0	-.1
Retail Trade	17.6	17.7	16.9	-.1	.7
Finance, Insurance, and Real Estate	3.3	3.3	3.2	.0	.1
Services	21.1	21.5	20.7	-.3	.4
Health Services	8.7	8.7	8.4	.0	.3
Hospitals	4.2	4.2	4.1	.0	.1
Government	12.7	14.2	12.3	-1.5	.4
Local Government	10.5	11.8	10.3	-1.4	.2
Local Government Education	6.3	7.7	6.0	-1.4	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Manufacturing	$565.90	$578.23	$546.48	42.2	42.8	41.4	$13.41	$13.51	$13.20
Durable Goods	597.92	611.51	573.61	42.8	43.4	41.9	13.97	14.09	13.69
Primary Metal Industries	632.26	637.06	558.55	44.4	44.8	40.8	14.24	14.22	13.69
Fabricated Metal Products	411.03	437.47	424.54	42.2	44.1	43.1	9.74	9.92	9.85
Transportation Equipment	721.63	764.62	651.25	42.7	44.3	40.3	16.90	17.26	16.16
Nondurable Goods	392.78	394.21	381.09	39.2	39.5	38.3	10.02	9.98	9.95
Wholesale Trade	366.91	361.37	362.16	38.3	38.2	38.9	9.58	9.46	9.31
Retail Trade[f]	167.40	165.54	172.06	27.0	26.7	28.3	6.20	6.20	6.08

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	65.3	65.3	66.8	-.1	-1.5
Employment	61.3	61.1	62.9	.2	-1.6
Unemployment	4.0	4.2	3.9	-.3	.1
Unemployment Rate	6.1	6.5	5.8		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	60.6	61.2	60.8	-.6	-.1
Goods-Producing Industries	20.9	20.8	21.6	.1	-.8
Construction and Mining	2.5	2.3	2.3	.2	.2
Manufacturing	18.4	18.6	19.4	-.1	-.9
Durable Goods	16.4	16.5	17.3	-.1	-.9
Fabricated Metal Products	5.3	5.4	5.3	-.1	.0
Electronic and Other Electric Equipment	3.2	3.3	3.6	.0	-.4
Nondurable Goods	2.1	2.1	2.1	.0	.0
Service-Producing Industries	39.7	40.4	39.1	-.7	.6
Transportation and Public Utilities	3.0	3.0	3.0	.0	.0
Wholesale Trade	2.2	2.3	2.2	.0	.0
Retail Trade	12.4	12.6	11.7	-.2	.7
Finance, Insurance, and Real Estate	2.4	2.5	2.5	.0	.0
Services	12.6	12.7	[illegible]	-.1	.1
Health Services	4.4	4.4	4.4	.0	.1
Government	7.1	7.4	7.1	-.4	.0
Local Government	5.3	5.5	5.3	-.3	-.1
Local Government Education	3.5	3.8	3.6	-.3	-.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Mansfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Manufacturing	$565.14	$571.90	$343.43	41.8	42.3	44.2	$13.52	$13.52	$7.77
Durable Goods	583.08	589.53	346.66	41.5	41.9	44.5	14.05	14.07	7.79
Fabricated Metal Products	697.19	727.95	031.77	40.7	42.2	51.9	17.13	17.25	19.88
Electronic and Other Electric Equipment	443.30	441.10	457.97	40.3	40.1	41.9	11.00	11.00	10.93
Nondurable Goods	404.93	419.07	308.39	44.4	45.8	40.9	9.12	9.15	7.54
Wholesale Trade	343.14	341.85	328.80	39.9	40.6	40.0	8.60	8.42	8.22
Retail Trade[f]	166.96	165.36	161.01	26.8	26.8	28.1	6.23	6.17	5.73

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	57.7	58.4	56.9	-.7	.8
Employment	54.5	55.0	53.8	-.5	.7
Unemployment	3.2	3.4	3.1	-.2	.1
Unemployment Rate	5.6	5.9	5.4		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	53.4	54.4	51.6	-1.0	1.8
Goods–Producing Industries	20.8	20.8	20.4	.0	.3
Mining	1.0	1.0	.9	.0	.0
Construction	2.0	2.0	1.7	.0	.4
Manufacturing	17.8	17.8	17.9	.0	-.1
Durable Goods	16.1	16.1	16.3	.0	-.2
Primary Metal Industries	12.8	12.8	13.0	.0	-.2
Nondurable Goods	1.7	1.7	1.6	.0	.1
Service–Producing Industries	32.7	33.7	31.2	-1.0	1.5
Transportation and Public Utilities	3.5	3.5	3.3	.0	.2
Wholesale Trade	1.4	1.4	1.4	.0	.0
Retail Trade	9.6	9.7	9.0	-.1	.6
General Merchandise Stores	1.8	1.7	1.6	.0	.2
Finance, Insurance, and Real Estate	1.7	1.7	1.7	.0	.0
Services	10.7	11.2	10.1	-.5	.6
Health Services	4.6	4.6	4.5	.0	.1
Hospitals	2.4	2.5	2.4	.0	.0
Government	5.9	6.2	5.7	-.3	.2
Local Government	5.0	5.3	4.8	-.3	.2
Local Government Education	2.9	3.2	2.9	-.3	0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Manufacturing	$513.34	$509.68	$500.09	43.8	43.6	43.0	$11.72	$11.69	$11.63
Durable Goods	542.39	536.98	528.94	44.9	44.6	44.3	12.08	12.04	11.94
Primary Metal Industries	573.42	573.29	554.40	45.8	45.9	45.0	12.52	12.49	12.32
Nondurable Goods	194.17	206.01	169.20	32.2	32.7	28.2	6.03	6.30	6.00
Wholesale Trade	337.05	336.31	323.40	39.7	39.8	38.5	8.49	8.45	8.40
Retail Trade[f]	168.60	163.41	165.59	28.1	27.1	29.0	6.00	6.03	5.71

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Goods–Producing Industries	51	.4
Mining	52	1.4
Construction	19	1.4
Manufacturing	57	.4
Service–Producing Industries	38	.2
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.3
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1989 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	August 1990	July 1990	August 1989
New Applicants	35,485	34,100	43,692
Applicants Active This Program Year	269,921	226,211	328,134
Counseling Interviews	822	721	807
Tests Administered	2,364	2,202	1,638
General Aptitude Tests	323	408	96
Proficiency Tests	352	321	402
Specific Aptitude Tests	0	0	192
Referrals to Jobs	25,126	25,314	30,703
Placements	6,645	7,342	11,687
Job Openings Received	INA	INA	44,961
Job Openings Unfilled	20,772	17,590	24,892

INA – Information not available

Selected Unemployment Insurance Activities

	Ohio		
	August 1990	July 1990	August 1989
Initial Claims	53,806	66,696	50,739
Continued Claims	357,902	375,903	343,575
First Payments	20,544	20,720	23,255
Last Payments	6,732	6,573	6,004
Average Weekly Claimants	80,780	82,996	72,760
Average Weekly Benefit Recipients	68,993	66,915	59,744
Weeks Compensated	330,942	275,970	282,116
Benefits Paid	$55,074,257	$44,830,414	$43,065,986
Average Weekly Payment	$170.08	$166.25	$159.68
Continued Claims for Survey Week	77,517	89,540	70,095
Insured Unemployment Rate	1.8	1.8	1.6
Net Contributions	$138,938,763	$34,060,195	$123,951,831
Active Employer Accounts	207,219	207,019	204,563

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